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old Legality nvestigating: or U.S. Aides

By Al Kamen ashington Post Service
SINGTON — The Sucourt, in a defeat for the administration and the Separtment, upheld 7 to 1 lay the constitutionality of establishing independent to investigate wrongdoing evel government officials the most important deciinny years regarding presi-

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lecision dispels doubts e convictions of two forand Lyn C. Nofziger, and ay a possible block to the on of two former White ides, Colonel Oliver L. Rear Admiral John M. er, and two others indict-: Iran-contra affair. ecision also allows an in-

n to continue into the ac-I Attorney General Edwin 1, who has been accused of improprieties and con-. - Justice William H. Rehn-

osen by Mr. Reagan to be tice, rejected administraments that the law violatconstitutional doctrine of an of powers among the of government. Rehnquist, in a 38-page,

-point rebuttal to a lower ling in January declaring inconstitutional, said "we today that it does not he Constitution) for Convest the appointment of lent counsels in" a special anel.

o said that "the act does te the separation of powiple by impermissibly inwith the functions of the te GERR SLANDS Dibranch."

- Antonin Scalia, in an und impassioned dissent read beach, accused the majororing constitutional prinying the decision "departs text of the constitution _ no reason." Justice Scalia the was reading his dissent

: COURT, Page 6

Kiosk

nn Is Out Contention

SHINGTON (AP) r Sam Nunn of Georgia Jednesday he had told nor Michael S. Dukakis. shable Democratic pres-I nominee, that he was Place Your Class field Ad Quid vice presidential candi-MITTER NATIONAL HERALD Ted to remain in the Sen-

save backed Mr. Nunn party's vice presidential late because of his adge of defense policy e appeal his nomination have in the South. arlier article, Page 3)



- Rocard, France's minister, pledges atism in a National bly speech. Page 2.

rai News

P. Shuitz may return viideast next month for rpeace mission. Page 2.

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logy Quarterly exame computer industry's var, superpower space s, and Japan's strategy reonductors Pages 7-9.

PARIS, THURSDAY, JUNE 30, 1988



Mikhail S. Gorbachev, right, in an exchange with Alexander N. Yakovlev, center, and Yegor K. Ligachev, at the meeting.

Mood in Kremlin: Cautious Reform

By Gary Lee

MOSCOW - Mikhail S. Gorbachev was groping for the middle ground as he opened the 19th Comnunist Party conference this week, giving a delicately balanced speech apparently tailored to overcome skepticism about his reform plans.

He dropped the more radical proposals that had been made pubchere in recent weeks and took up instead some positions held by con-

For both the Kremlin leader and they will have to go for a vote his audience of nearly 5,000 largely before the Supreme Soviet, the doctrinaire, provincial party delegates, the speech established a Communist Party Congress, which

conference in which Mr. Gorba- who worked his way up from prochev's entire reform program is to vincial party leader to general sec-come up for praise or criticism in retary faster than any other person dozens of speeches and then, final- in Soviet history, Mr. Gorbachev, ly, to be put to a vote. With his policy of perestroika -

economic, political and social re-tive counterpoint. construction -- certain to gain general approval, the moderate stand taken by Mr. Gorbachev may not influence the outcome of the con-

But if the stand turns out to have been persuasive it could determine

whether some of the Soviet leader's more controversial proposals such as an apparent attempt to take over the presidency from Andrei A. Gromyko, the old-guard Politburo member, will gain backing from the party and the public. And it also

could help win over some of the

If the proposals made this week gain approval by the conference,

NEWS ANALYSIS

mood of ambiguous compromise. It was a cautious beginning for a By reputation a political wizard

57, balanced every new reform proposal in his speech with a conserva-

On the one hand, he criticized Soviet activists seeking to start a new political party, indirectly rebuked Armenian demonstrators by opposing border changes as a solu-

See BALANCE, Page 6

French Pilots Fear a Rush to Judgment in Crash of Airbus to respond to a demand for more power.

By Barry James

PARIS — Representatives of French nal Herald Tribs pilots expressed concern Wednesday that the government and the manufacturer are coming too quickly to judgment about the crash Sunday of an A-320 air-

The representatives suggested there is eagerness to pin the blame on the pilot because of concern about the commercial future of the aircraft on which billions of dollars of investment and tens of thousands of jobs depend.

But even the president of the country's main pilots' union conceded that human

error appeared to have contributed to the crash, in which three persons died. The other 133 passengers and crew escaped as fire spread through the wreck.

The new computer-controlled airliner, one of only six so far delivered, plowed into a forest after making a low-level pass during an air show near Mulhouse in eastern France.

"Whatever the cause of the accident, the pilot has to be sacrificed for reasons of state," the union official, Alain Duclos, said in an interview. "You cannot let a single man stand in the way of industri-

Mr. Duclos acknowledged, however,

that details that have so far emerged from the enquiry are "very damaging, very toward the pilot, Michel accusatory Hasseline, Air France's chief instructor

You can understand that he is suffering terribly at this moment," Mr. Duclos said. "He is one of the most formidable pilots in Air France, but in five seconds he has fallen from glory to the depths." Mr. Hasseline and his co-pilot, Pierre Mazières, told investigators at Mulhouse Wednesday that their screen displays indicated the plane was flying at an authorized 30 meters (100 feet) shortly before

the crash and that the engines were slow

On Monday, the minister of transport, Louis Mermaz, said the plane was flying too low, but stopped short of blaming the pilot. According to information leaked from the Civil Aviation Directorate's examination of the aircraft's black box and cockraft voice recorder, the aircraft was fiving at a height of only 10 meters at a speed of 216 kilometers an hour and with the engines operating at only 28 percent

of their capacity.

Mr. Duclos said that arguments pinning the blame for the crash on the aircraft's systems "are not solid," nor did he think that the absence of a third flight

crew member contributed to the accident. Many pilots in France and elsewhere are unhappy with the elimination of the flight engineer. The arrays of instruments that engineers read on conventional jets have been replaced by six small television screens on the A-320.

Nevertheless, Mr. Duclos said, it would be unfair to put all the blame on the pilot. "A whole chain of command is involved here," he said. "Those who ordered the pilot to fly at the air show with a load of paying passengers must also bear responsibility. Showing off at air

See AIRBUS, Page 6

U.S. Tobacco Company Fights Back

By Randall Rothenberg New York Times Service

NEW YORK - Battered by growing bans on public smoking and a recent court decision finding tobacco company liable in the death of a smoker, the largest U.S. civarette maker is planning to spend up to \$5 million in an adver-tising campaign that will emphasize the economic influence of

Philip Morris U.S.A. began the campaign Tnesday with advertise-

Smoker — an economic force."

ris's vice president for corporate smokers, the campaign also lays the affairs, said Tuesday that 85 percent of all smokers are registered voters and warned: "Let the politicians take note. You're not just talking special-interest group. You're talking swing vote."

headline "\$1 trillion is too much ments in 19 daily newspapers and financial power to ignore." It goes

Algeria, Argentina, Bulgaria, Canada, Czechoslovakia, East Germany, Finland,

French Polynesia, Gambia, Hungary, Iceland, Italy

Norway, Poland, Portugal, Romania, Senegal

Singapore, Sudan:

Source: World Health Organization, Seneva

Where Tobacco Advertising Is Banned

A Drastic Ban in Canada

OTTAWA - Canada's Parliament, instituting some of the most

stringent anti-tobacco laws in the world, has banned tobacco adver-tising and forbidden smoking in federally regulated workplaces and

In final parliamentary action, the Senate on Tuesday passed two bills containing the bans and Governor-General Jeanne Sauvé

One bill mandates smoke-free workplaces in companies regulated by the federal government. That includes banks, telecommunica-

tions firms and Crown corporations. The measure also guarantees

smoke-free traveling on planes, ships, trains and buses that offer

The second bill bans tobacco ads on television, radio, newspapers,

Imported broadcasts and publications may still carry tobacco ads.

passenger service and are federally regulated.

will expand it in the next six on to say that "America's 55.8 milmonths to 32 national magazines. Signs smokers are a powerful eco-All the ads conclude with the cam-paign's theme: "The American are one of the most economically Guy L. Smith 4th, Philip Mors's vice procedure force."

By emphasizing the interpretation of the country." By emphasizing the influence of

sell advertising space in a magazine that it distributes without charge to smokers. That publication, Philip alking special-interest group. Morris Magazine, has become the ou're talking swing vote."

Morris Magazine, has become the nation's fifth-largest publication in terms of circulation, with more than 11 million copies distributed.

In April, Congress banned cigarette smoking on most domestic airline flights, and bills pending in Congress seek to ban vending machine sales of cigarettes, force manufactorers to place an addiction warning on cigarette packages, re-move some of the liability protection of manufacturers and prohibit all advertising and promotion of tobacco products.

In addition, New York City and other municipalities have severely limited smoking in public places, while Northwest Airlines eliminared smoking on all flights.

Mr. Smith called the ads "a reac-

tion to the public policy environment in in cities and states and in Washington."

Representative Richard J. Durrbin. Democrat of Illinois, who successfully sponsored the amendment to ban most smoking on airline flights, said the new advertising "marks a significant change in the tobacco lobby's tactics."

"They must feel their image is slipping rather dramatically," said Mr. Durbin. "Until now, they have been content to try to persuade members of legislatures and city councils to their point of view with out much fanfare. At this point, they obviously believe they need to take their case to the public. Representative Mike Synar,

Democrat of Oklahoma, sponsor of See SMOKE, Page 6



NOT THIS YEAR - Mats Wilander, winner of the Australian and French Opens, saw his Grand

Slam bid evaporate in a straight-sets quarterfinal loss to Miloslav Mecir at Wimbledon. Page 19.

For Japanese Students, Club Spirit Outclasses Good Grades

By Susan Chira

billboards and magazines.

New York Times Service TOKYO — When Hiroshi Yamamoto goes for his first job interview and is asked what he did in four years of college, he plans to look his potential employer in the eye and tell him the truth: He played table tennis.

Mr. Yamamoto, a senior at the prestigious Keio University in Tokyo, works hard at table tennis. He practices with the other members of his table tennis chib five hours a day, six days a week. For Mr. Yamamoto, as for most other college students in Japan, a club, not academic study, is the center of his university life.

To a degree unthinkable in many other countries, Japanese students forsake their studies for their clubs. Students will choose classes at which attendance is not taken so they can devote more time to club activities. Indeed, clubs are so important that prospective employers scrutinize not grades but club memberships.

On the surface, clubs are about having fun, an escape from the years of grinding study required to enter a Japanese university. But clubs are where students are schooled in the all-important ways of Japanese society: how to work together in harmony, how to devote themselves to group goals, how to make and preserve aships, how to defer to their seniors and guide their juniors.

"In Japanese colleges, many students spend four years without doing much of anything," a spokesman for Sumitomo Bank said in describing his company's recruiting process. "So it is a plus for a student of the contraction of student if he can say he did something with devotion.

"If a student was a captain of the club, then he is likely to be trained in harmonizing the team to produce good teamwork and to work under pressure. We don't require them to submit grades. Even if grades are bad, it does not necessarily mean that we don't want a student. We stress personal characteristics." Mami Hasegawa, a junior at Keio,.

During the hot summer months, when

wakes at dawn to begin chasing tennis balls. "We have to yell, 'Fight! Fight!" she said, describing her regimen.
"If our senior hits a good shot, we have
to call out, 'Nice ball!' During the sum-

mer it is very hard physically. But I think I have learned from this hard training. I feel like I'm pushing my limits of physical and mental strength."

Students receive points for club attendance. "We race to attend as many sessions as possible, so people skip class," Ms. Hasegawa said.

Many students seek in clubs a community and sense of purpose that Japanese university education does not offer them, said Toshiaki Izeki, a professor of sociology at Keio. "The popularity of clubs is not something we completely approve of," he said, "but it shows the underlying problems of the Japanese college sys-

Top-level Japanese universities, Mr. Izeki and his students say, are huge and learns these lessons on the tennis court. impersonal and offer a narrow scholarly curriculum that does not seem useful in the world outside the university.

At Keio, as at many Japanese colleges, only a limited number of students can gain entrance to small seminars. Without any direct contact with a professor, said Daisuke Nakagawa, a Keio senior and an avid member of the school badminton club, students have little incentive to show up on campus, and he knows many who come to Keio only once a month.

"In clubs, you can find close friends, you know you can have fun," Mr. Nakagawa said, "and when you get older and become a leader, it's fun to be able to mold an organization. It's kind of like training to be an adult."

For years, students have sought training in sports clubs that are noted both for their demanding physical workouts and for the formal relations between the older members, known as sempai, and the younger ones, or kohai.

Junior members must use honorific language when addressing their seniors,

and run errands for them that include fetching them refreshments or doing their laundry. But in return the seniors try to watch out for their juniors, coaching them and protecting them, in a relation-ship that often lasts a lifetime and will

have its counterpart in company life. For Kazuhiko Yamamoto, a junior in Keio's mountain climbing club, the lesson of senpai-kohai relationships is

among the most enduring he has learned. "When my senpai said to run and buy refreshments after a hard climb, I sometimes felt a grudge toward them, thinking, 'I am tired, too,' "he said. "But clubs teach you how to keep good relations with other people, and that is good for

you because you can't accomplish much in your life if you dish to people." But "hard training" clubs have fallen out of favor with a new generation of students who have come of age in an affluent and relatively self-confident Japan. "Hard training is a drag," Mr. Na-

Delegates Assail Glasnost

Gorbachev Policy Under Attack at Party Conference

Washington Post Service
MOSCOW — Mikhail S. Gorba

chev's policy of glasnost, or open-ness, came under sharp attack at the Soviet Communist party conference on Wednesday, suggesting that curbs could soon be imposed on editors and publications spearheading the movement for freer in formation in the Soviet Union,

During the second day of pro ceeding at the party meeting, dele-gates objected to calls for accelerating the pace of Mr. Gorbachev's economic reforms and argued over his proposal to limit the terms of office of senior Soviet official, according to summaries of speeches.

The session, held in the Kremlin's Hall of Mirrors, was closed to the press but excerpts of speeches were broadcast. Besides the Soviet leader's poli-

cies of loosening state control over the press and the economy, widely recognized as two of his major domestic policy accomplishments in his three and a haif years in office, some of his key supporters also came under fire.

They included the former Moscow party leader, Boris Yeltsin and the editor of Ogonyok, Vitaly Kor-

The 19th party conference opened here Tuesday with a major speech by Mr. Gorbachev. The meeting was called to allow the 4,991 delegates to review Mr. Gorbachev's reforms and consider ways to strengthen them.

Originally scheduled to end on Friday, it may now be extended because of a flood or requests to speak, a spokesman said. In the end, it is expected to issue a resolution on the reform program.

The mostly conservative line-up of delegates who spoke tiptoed around most of the new reforms proposed by Mr. Gorbachev, according to a briefing on the conference by a senior Kremlin spokes-The speakers also refrained from

direct criticism of the Kremlin leader but got into a dispute over how long he should stay in office. During his remarks one delegate from the conservative Volgograd region turned around and looked at Mr. Gorbachev, saying: "We all need to restructure ourselves, both at the local level and right here.

In his speech on Tuesday, Mr. Gorbachev introduced sweeping new proposals for overhauling the Soviet parliamentary system, for electing a Soviet president, for upgrading his office and for shifting some powers away from the central party to soviets, or local governing

According to Soviet officials who participated in the closed door session, discussion was "heated"

See SOVIET, Page 6

China Seeks **More Private Enterprise**

By Daniel Southerland

Washington Past Service
BEIJING — China's leading Communist Party newspaper called Wednesday for a major expansion in private enterprises and published regulations designed to legitimize such enterprises.

The People's Daily newspaper, representing the views of the party leadership, said in a commentary that because of the influence of old concepts, "ultraleftist" ideas, and a lack of relevant laws, the healthy development of a private economy had been hindered until now.

The new provisional regulations, published Wednesday in the People's Daily, set no limits on the number of persons who could be employed by a private enterprise.

Foreign observers said the regulations were likely to encourage the growth of private enterprises and marked a major departure for the Chinese from a system that is still largely based on centralized, Sovi-

et-style planning. A Western diplomat said Wednesday that the new "temporary regulations" for private enterprises published this week marked an "ideological breakthrough" for China toward accepting a private

The Soviet Union, he said, has not even begun to approach such an acceptance of the private sector. In China, a private enterprise is defined as one that employs eight or more persons. According to official figures, such enterprises currently employ 3.6 million workers, which is only a small percentage of the total work force. They account for only 2 percent of the country's

industrial output. But more than 20 million Chi-See CHINA, Page 2

In Search for Superconductor Uses, U.S. Said to Trail Japan

By John Burgess

Washington Past Service
WASHINGTON — The United States may already have fallen behind Japan in the race to commercialize superconductors, materials that may revolutionize the world of electronics and transportation, a federal government study has concluded.

U.S. companies are spending \$260 million annually in the field, compared with Japan's \$160 million, according to the study by the Office of Technology Assessment. But the United States may fall victim to Japan's skills in finding money-making applications for new technology and to its willingness to work hard on new products even if no profits are in sight.

"The winners in this race to commercialize are going to be those who commit themselves to a sustained effort" of 10 years or more, the director of the office, John Gibbons, told a hearing held Tuesday by the Senate Committee on Governmental Affairs.

By Fred Hiatt

SEOUL — South Korea announced Wednesday that it would release Kim Keun Tae, South Ko-

rea's best-known political prisoner,

whose three-year confinement has

been at the center of protests here

The government said it would release Mr. Kim and 45 other polit-

ical prisoners on Thursday. Oppo-

sition leaders claimed there will

Human rights and opposition

leaders said they were pleased with

his release but disappointed that more prisoners would not be freed.

ernment take a more drastic step,"

the opposition leader, Kim Young Sam, said Wednesday. "They

should release everyone who fought

for democracy, whether they violat-

But President Roh Tae Woo said

By James M. Markham

New York Times Service
PARIS -- Prime Minister Michel Rocard declared on Wednes-

day that the priorities of his new

Socialist minority government were

not "those of one half of France

minister seven weeks ago, Mr. Ro-

Socialist Party when it first came to

"Undoing what others have done

and doing what others will later undo — that is exactly the kind of

politics that the voters do not want any more," declared Mr. Rocard,

apparently alluding to the Social-

ists' nationalizations of industry

that were reversed by a conserva-

tive coalition when it won legisla-

12, the Socialists fell short of an

overall majority in the National

Assembly - with 276 seats in the

577-member chamber - but they

will be able to govern as the single largest group. The constitution re-

oures an absolute majority of the National Assembly to topple a gov-ernment, which would demand an

improbable alliance of Commu-

On Tuesday, Mr. Rocard con-

ducted a minor reshuffle of the cab-

inet he named last month, adding a handful of independents and cen-

trist figures but making no major

effort to broaden the Socialists'

base. The major portfolios did not

PLO Mission at UN

Wins Right to Stay

Agence France-Press

NEW YORK - The U.S. 20V-

ernment does not have the right to

enforce its order that the Palestine

Liberation Organization observer

mission at the United Nations close

down, a federal district judge ruled

U.S. obligations under the 1947

Headquarters Agreement to pro-

vide a site for the world body took

precedence over a later Anti-Ter-

rorism Act, Judge Edmund Pal-

nists and conservatives.

change hands.

In parliamentary elections June

tive elections in 1986.

Assembly since being named prime uties.

ed certain laws or not."

"We would like to see the gov-

still be 500 or more in prison.

and abroad.

chington Post Service

CAMBODIAN TALKS — Prince Norodom Sihanouk, left, at his headquarters just inside Cambodia, accepts credentials from Dzon Siroka, right, a Yugoslav ambassador, on Monday. At center is Khieu Samphan, a Khmer Rouge official. Prime Minister Hun Sen, whose government meets the prince's coalition next month, said Wednesday that he was pessimistic about the talks.

government has said there are few-

many nonviolent dissidents re-

mained in prison simply because

they hold anti-government views.

They also said the government was

reluctant to release prisoners who

The issue of amnesty for political

prisoners has been a major source

of friction between Mr. Roh's gov-

ernment and his opposition, and between factions of the govern-ment itself. Kim Keun Tae, 41,

winner of the Robert F. Kennedy

Human Rights Award last fall, be-

Sources said that the law en-

came a symbol of that friction.

Rocard Sets Pragmatic Priorities

And Urges 'Everyday Democracy'

against the other but those of all minority government in three deday that aims at ending communal the French."

minority government in three deday that aims at ending communal the French."

One possible National Assembly

Laurent Fabius, a former Socialist

blurred by the novel situation thrown up by the deadlocked National Assembly.

"We will not ask anyone to join

In his first speech to the National need support from opposition dep- New Caledonia

card outlined a pragmatic, free-en-terprise program that eschewed the kind of bold initiatives taken by the joined the Socialists in choosing

power in 1981. He pleaded for an prime minister, as speaker of the everyday democracy that would improve the quality of ordinary life and protect the weak and underparty loyalties would not become

may bear witness to torture.

Opposition leaders said that

that "no citizen is suffering from Tuesday that "we know we're hurt-

forcement bureaucracy resisted his er and labor organizer, was arrested

release to the last moment, but that in September 1985 for organizing

Mr. Roh personally decided he meetings feared to cause unrest and

should be freed. A senior Roh adfor making statements that resemviser, Hyun Hong Choo, had said bled North Korean propaganda.

Mr. Rocard, a moderate Social- However, the tenor of Mr. Ro-

ist, became prime minister after his card's speech made clear that he rightist predecessor, Jacques will appeal to centrists and others Chirac, resigned when he was de-to his right in the National Assem-

feated by President François Mit-terrand in the presidential election reached out to the conservative

May 8. But as the head of the first camp to back a plan reached Sun-

us out of personal interest, nor to High Audiovisual Council that betray his convictions," he said. would replace a television watch-"All the Socialists here intend to dog body established by the Chirac

remain Socialist, and we under-government, President Mitterrand stand that others—centrists, Com-had harshly criticized the Chirac

releases of leftists will only encour-

age student demonstrations, whose

theme has shifted from democrati-

zation to more radical anti-Ameri-

canism and friendliness toward

Communist North Korea. One dis-

sident released after Mr. Roh's in-

auguration Feb. 25 was rearrested

Even as his government an-

ty, Mr. Roh vowed to crack down. He specifically said the govern-ment would "squash" any attempts to disrupt the Olympic Games in

Mr, Kim, a former student lead-

One of the new government's

distinctly leftist proposals, a wealth

and his finance minister, Pierre

Bérégovoy, plumping for a stiffer

Wednesday that the measure would

be formally adopted by his cabinet

Mr. Rocard also announced that

his government would create a

one. Mr. Rocard announced on

Seoul in September.

for his role in recent protests.

Seoul to Free a Leading Dissident

er than 100 prisoners.

resistance and loss of energy. If they became generally and companies and a greater emphasis on available, the potentials would be enormous for virtually anything that uses electricity: Computers could be built to run faster, trains that run by magnetic levitation above a track could become commonplace and electric motors could run with more horsepower.

apitol Hill and elsewhere as to the future direction of the superconductor industry in the United States.

Commissioned by several congressional commit-tees, the study said Japan's effort is not a monolithic, government-directed crash program in the style of "Japan Inc." (The Japanese government provides about a quarter of research and development funds, as opposed to one half in the United States.) But com-

commercialization.

Long weak in basic research, Japan is catching up in the field and has a world-class team at work on superconductivity, the report found. "If technical developments," the report said, "pro-

Research breakthroughs in 1986 led the United ceed as rapidly over the next two or three years as States and Japan to step up government and private during 1987, Japanese firms will be in better positions spending in the field. However, debate continues on to move toward commercial applications than Ameri-The United States in the past has led the world in

sic research, but in recent years has stumbled in

marketing products based on its discoveries. The vite recorder is a prime example. One problem, the report said Tuesday, is that U.S. companies are too concerned with quarterly profits.

Because commercial applications of superconductiv-

partments account for most federal research into superconductivity, which reduces the potential for commercial spinoffs, the report said.

cations to the private sector.

Saying the current approach "seems unlikely to South Africans had died. provide adequate support," the report posed two other Foreign Minister R.F.

Increasing government funding and sharing costs of joint research and development by the industry. A working group of experts would be set up to help

shape consensus.

• Creation of a "Civilian Technology Agency" that would take a direct federal role in devising commercial

Israelis Expect Shultz in July On 4th Peace Tour This Year

TEL AVIV -- Secretary of State George P. Shultz may return to the Middle East next month for his fourth peace mission this year, despite the apparent lack of progress, a senior U.S. official said on

Undersecretary of State Michael H. Armacost said as he left Israel after a three-day visit: "We dis-cussed the possibility of a visit in July of Secretary of State Shultz."

An Israeli official said Mr. Shuitz was likely to tour Israel, Jordan, Egypt and Syria again in mid-July or early August, but he cau-tioned against expecting progress toward peace talks before the Israeli and U.S. elections in November. He said Mr. Shultz regarded the

trip as "the maintenance of the peace process" but realized there was no hope of convening an international conference this year to start Arab-Israeli talks on the future of the occupied West Bank and

Gaza Strip.

"Nobody expects any real progress in this area, let alone a breakthrough," the Israeli aide said. But he said there could be progress in undemocratic repression or ining ourselves internationally" by
fringement of human rights." The keeping him in prison. the U.S.-Soviet dialogue on a Middle East solution. Conservatives fear that further

[In Washington, the State De-partment spokesman, Charles Redman, denied on Wednesday that Secretary of State Shultz might make a trip to the Middle East in July, The Associated Press report-Mr. Redman said, however, that Mr. Shultz was not ruling out another visit to the region later this

In other developments on nounced the latest modest amnes-ty, Mr. Rob vowed to crack down. and wounded two Arab men during a tax collection raid in the Wes Bank and authorities clashed with Palestinian protesters in at least six other places, including East Jerusa-lem, Israeli police and Palestinian

> Hilal al Shakhsheer, 22, and Anan Fatou, 24, were wounded clashes between st throwing protesters and soldiers, which erupted when Israeli tax officials and soldiers raided stores to collect overdue taxes in mixed Jewish and Arab neighborhood in Je-

> The police played down the incident, saying merely that a stone had been thrown at a police patrol. Shops in the West Bank and Gaza Strip were closed and many

Palestinian workers stayed home in observance of a general strike called by the underground committee directing the six-month-old Palestinian uprising in the occupied territories. Most Arab students did not attend classes. Police and soldiers checked iden-

tification papers and turned back Arab vehicles headed toward the Jewish half of the city, but there were no reports of violence in Jeru-

tax, is already an object of some disagreement, with the prime min-■ Mixed U.S. Messages ister favoring a relatively mild tax

The U.S. government has reas sured Defense Minister Yitzhak Iraq's great fear of encouraging any Rabin of Israel of the U.S. commit-internal schisms in its tribal and ment to Israel's security, while scolding him for violence to quell Palestinian disturbances in the occapied territories. The Associated Press reported from Washington.

Summarizing Mr. Rabin's talks zy," said one Arab ambassador, with President Ronald Reagan, Vice President George Bush and other officials, the White House said Tuesday that the U.S. government "reaffirmed America's com-

munists, liberals or Gaullists — agency for failing to guarantee im-also do not intend to renounce partiality or defend rigorous cul
But in a detailed statement But in a detailed statement on

Mr. Rabin had been told that Israel should show more flexibility on a nation yet of violence in the territopeace settlement and less inclina- ries, the White House said in its tion toward violence in the West statement: Bank and Gaza Strip.

meet concerns about "ominous for peace are essential as is a clinew military developments in the mate that makes negotiations pos-

"Neither should violence nor The wording was accompanied by a U.S. promise to sign a memoin themselves, making a political randum of understanding for the joint U.S.-Israeli development of an anti-tactical ballistic missile to than reject possible opportunities. (Reuters, UPI)

U.S. Gave Iran Secrets On Attack, Iraq Says

By Youssef M. Ibrahim

New York Times Service ration of relations, Iraq accused the United States of supplying intelligence information to Iran that revealed details of Baghdad's mili-mans with information they obtary plans to launch its successful attack on the Majnoun oil field last Saturday.

Senior Iraqi officials also said in interviews on Wednesday that Iraq, which has now recaptured much of the territory overrun by Iran, has no plans to invade Iran but will not accept any cease-fires until a comprehensive peace agreement is reached to end the war, now nearly eight years old.

Iraq retook the artificial string of Mainoun islands that straddle one of the Middle East's largest oil fields - with estimated reserves of 30 billion barrels of oil - in an eight-hour attack that ended three

years of Iranian occupation.
The charge of U.S. collaboration with Iran was made by President Saddam Hussein at a ceremony honoring air force officers in Bagh-dad, and reiterated today in Paris by senior Iraqi diplomats in what paign, deepening a recent rift in relations between Baghdad and

Relations between the two countries became strained earlier this month when State Department officials in Washington allowed Jalai Talabani, an Iraqi Kurdish leader opposed to the Iraqi regime, to speak there and to meet with several American officials.

Iraq countered by canceling a planned meeting between its for-eign minister, Tarik Aziz, and Secretary of State George P. Shultz.

It charged then that the United States was deviating from its avowed policy of neutrality in the Gulf War and attempting to reopen a dialogue with moderate elements in Iran, in the same way it tried to do so in what has become known as the Iran-contra scandal.

Arab diplomats in Paris said it was wrong to underestimate the anger felt by Iraq about the meeting with the Kurdish leader, because of sectarian society.

"Anything that touches on ethnic matters in Iraq, whether it concerns the shiite majority of the Kurdish minority, drives them crawho asked not to be identified.

"They have suffered very very much from the Kurdish separatists in the sixties and seventies and now they are projecting this meeting and wondering what are the Americans up to?" the Arab official said. President Hussein told pilots in a

speech Tuesday that "the Ameri-cans informed the Iranians by all PARIS - In a growing deterio- means about the massing of Iraq's tained by satellite."

Speaking in an interview, an Iraqi diplomat charged that the United States motives for this action was to revive lobbying efforts with "so-called moderate elements in the Iranian regime" to find a new opening for relations through the parliamentary speaker, Ali Akbar Hashemi Rafsanjani.

The speaker was recently elevated to the post of commander in chief of Iranian armed forces and is seen as a moderate element.

3 U.S. F-16s Go Down In Germany

By Serge Schmemann New York Times Service

BONN - Three U.S. Air Force F-16 Falcon jet fighters went down over West Germany on Wednesday, bringing to five the number of F-16 crashes in three months. The accidents are certain to provoke a new outery from West Germans against low-level training flights over their land. One pilot was killed, one was between London and Scoul on Sept. 6.

injured and the third ejected to

The air force said two of the fighters collided in midair over Bo-denheim, about six miles (about nine kilometers) south of the city of Mainz, and crashed in an empty field near a highway and some

One pilot, Captain Michael A. Crandall, 30, was killed, and the of the country's total volume of other, Captain Robert McCorretail sales in 1987. mack, 31, suffered burns on his

neck and a fractured back. Both were assigned to the 50th Tactical Fighter Wing at the Hahn Air Base south of Koblenz, and were on what the air force described as an "air-to-air training

mission" when they collided in mid-afternoon. The third F-16 crashed in themorning near the resort of Baden-Baden while returning to the Canadian air base at Baden-Solingen after a North Atlantic Treaty

Organization exercise. A Canadian military spokesman said: "There was a sky full of planes at the time of the crash," possibly accounting for reports on the German wire services that the American jets had been involved in a mock doglight at the time of the

The pilot of the third plane, identified as Captain Jack. J. Friedman, ejected from his plane before the crash and was taken to the hospital at the Ramstein Air Base for examination. He was assigned to the 57th Tactical Fighter Wing at the Spangdahlem Air Base near Trier. Air force officials said the cause of Wednesday's accidents would

not be made known until investigations were complete. There was no immediate comment from the West German government Last April, after two F-16s

crashed within two weeks, the West German defense minister asked that use of the fighters be suspended if technical faults were suspected of causing the crashes. But the U.S. Air Force commander in Enrope, General William L. Kirk, ruled that grounding the planes before the cause of the accident was known "would be premature." In all, 20 American F-16s have

crashed since the planes began service with the U.S. Air Force in 1981. There are 235 F-16s assigned

The regular low flights and frequent crashes of NATO aircraft, and particularly American fighters, have generated considerable irritation among West Germans.

WORLD BRIEFS

Superconductors, now largely limited to the realm of the laboratory, channel electricity with virtually no more cooperation between government, universities of the laboratory, channel electricity with virtually no more cooperation between government, universities on resistance and loss of energy, if they became generally and companies and a greater emphasis on Military programs by the Defense and Energy de-JOHANNESBURG (Reuters) — The South African Army said Wednesday it had killed more than 300 Cuban and Angolan troops in

battles on Monday. mercial spinoffs, the report said.

The study also questioned the federal government's long-standing philosophy of funding only basic research and leaving development of commercial applications and leaving development of commercial applications and spinoffs, the report said.

Brigadier Pieter Gagiano, the anny's chief of operations raised the previous reported death toil of 200 Cubans and Angolans. The soldier search and leaving development of commercial applications inside continuous and annual search and ground attacks around a dam at Calueque, a few kilometers inside southern Angola. Pretoria said earlier that 12 white

> Foreign Minister R.F. Botha was quoted by the state-run radio on Wednesday as saying the fighting raised a question mark about a new round of peace talks due in the United States next month. South Africa, Angola, Cuba and the United States are to take part in the talks.

Rebels Allege Ethiopia Killed 600

NAIROBI (AP) — Tigrean rebels have claimed that Ethiopian war-planes killed more than 600 civilians in air raids on an ancient market town during the government's two-month counteroffensive.

town during the government's two-month counteroffensive.

The guernilas said Tuesday that the strikes by four MiG fighter bombers and two Mi-24 helicopter gunships occurred June 22 in Hanzien, 550 kilometers (340 miles) north of Addis Ababa, the capital.

Wednesday is market day in Hauzien and hundreds of peasants are drawn to the town. The attack wounded more than 360 people and killed hundreds of animals, said the rebel communique from the Tigre People's Liberation Front information center in London.

Paris Train Crash Toll Revised to 56

PARIS (Combined Dispatches) — French police on Wednesday revised the death toll in Monday's Paris train crash downward to 56 from

Police sources said later that confusion had arisen because many of the bodies had been torn apart when a communer train smashed into a stationary train at the Gare de Lyon in Pans. Investigators, delving into what caused the crash, tion on the final 40 minutes of the train trip.

Rebel Archbishop Ordains Priests

SION, Switzerland (Reuters) — Archbishop Marcel Lefebvre, defying the Vatican, ordained a group of rebel traditionalist priests on Wednesday in a prehide to his plans to consecrate hishops on Thursday, which observers say is likely to lead to a schism in the Roman Catholic Church. The French prelate, 82, angry with what he views as a dangerously liberal papacy, told the priests in a ceremony in front of 5,000 people: "You have the responsibility to disobey if they want you to become liberals?"

Acting without authority, he plans to ordain four bishops on Thursday, a move that would bring his automatic expulsion from the church. Despite a plea from Pope John Paul II, Archbishop Lefebyre's assistants said preparations for the ceremony were ready and it would certainly go

Cairo Recalls 2 in Missile-Parts Plot

WASHINGTON (NYT) — Egypt has recalled two military officers from Washington after they were implicated in a suspected conspiracy to illegally export materials to make ballistic missiles, American and Egyptian officials said Tuesday.

tian officials said Tuesday.

One officer, Lieutenant Colonel Mohammed A. Mohammed, who was assigned to the Egyptian Embassy in Washington, was arrested last week. Colonel Mohammed claimed diplomatic immunity and was released. But the United States has asked Egypt to waive immunity.

The other officer, who was also assigned to the embassy, is Admiral Abdel Rahim el-Gohary, who was named in a U.S. Customs Service of the property of the propert

affidavit as having been involved in the effort to procure the missile material. He was not arrested. The U.S. wants Egypt to waive immunity in his case as well, an American official said.

For the Record

Switzerland lifted on Wednesday a ban on fishing in Lake Lugano, which was the last health measure still in force after the nuclear accident in April 1986 at Chemobyl in the Ukraine.

(AP):

EC environment ministers reached an agreement Wednesday on limiting exhaust pollution from small cars. It covers the range under 1.4 liters. The EC has already agreed on similar measures for the other cars. The

small cars account for most vehicles in the trade bloc.

Turkish rescue teams pulled 39 bodies Wednesday from the debtis of . roadside coffeehouse swept away by a landstide June 23 in the mountainvillage of Catak. The possible death toll is now at 64.

TRAVEL UPDATE

A new Polish-Soviet frontier crossing will open Thursday to ease tourist and freight traffic, the PAP news agency said Tuesday. There are at present only two crossings along the 1,244 kilometers (770 miles) of frontier, at Terespol and Przemysl. The new one is in the northeast 40 kilometers from the road to Wilno, Lithnania.

(Reuers) British Airways has received permission to start weekly nonstop flights etween London and Seoul on Sept. 6. (IHT)

CHINA: More Private Enterprise

(Continued from page 1) nese work for enterprises with fewer than eight employees, and they accounted for more than 12 percent

The People's Daily said that if employing eight or more workers could be expanded to employ 36 million workers, they could then account for 10 percent of the country's industrial output. This would

mean a tenfold expansion of this private work force. private enterprises than the Soviet ployed laborers. Union, where the private economy, Union, where the private economy, such as it is, is reported to have shows that 150 million Chinese.

goal of 36 million workers in pri vate enterprises, as suggested be the People's Daily, the private sec tor would long remain a "side show" when compared with huge state-owned industries.

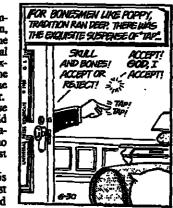
China's reformist leaders have private enterprises of the variety for some time viewed private enter prises as a "useful supplement" to the public sector, providing compe tition for the mostly sluggish state owned enterprises.

The People's Daily indicated that the leaders now hope that private enterprises, which are more Even at its present level, China active in the countryside than in the has far more family enterprises and cities, will help to absorb unem

produced only 0.03 percent of that country's consumer goods in 1987. The Western diplomat said that ed 380 million, are unemployed o that even if China could reach the are working only part of the time

WITH BUUSTRIOUS ALUMNI...

DOONESBURY









Britain Drafts Revision of Secrets Act

By Howell Raines New York Times Service

LONDON - The British government outlined its long-promised bill to reform the Official Secrets Act on Wednesday, drawing groans from civil libertarians and cheers from supporters of Prime Minister Margaret Thatcher's legal campaign against the publication of classified information.

The centerpiece of the government plan is a proposal to narrow the catch-all Section Two of the 77-year-old law. It makes the disclosure of even the most innocuous goverament information a criminal offense for which both government employees and journalists can be prosecuted.

Home Secretary Douglas Hurd said that the new bill, to be based on a White Paper delivered to the House of Commons Wednesday, will do away with restrictions on routine government information, while assuring that legitimate government secrets are protected. He said that criminal penalties henceforth will apply only to six highly specific new categories of national security information.

"We are proposing to narrow, refine, define," Mr. Hurd told Commons Later, he contended that the government was offering a "common sense balance" between the government's need for secrecy and access to information by public and press. Mr. Hurd said that abolition of the outmoded Section Two provision, which made it an offense merely to receive unauthorized information, was a step forward for journal-

However, opposition politicians, some Conservatives and leaders of the Campaign for Freedom of Information denounced the proposal as a draconian measure falsely paraded as liberalization. Richard Shepherd, a Conservative who

earlier this year offered a bill to remove the restrictions on journalists, pointed out that the new law was "repressive" in comparison to the United States and Canada. The proposed legislation represents a hard-line extension of Mrs. Thatcher's legal campaign against the publishers and author of

Spycatcher," the memoir in which Peter Wright, a retired spy, accused British intelligence officers of dirty tricks. It will remain a criminal offense for any intelligence agent to disclose government information without authorization at any point in his life, regardless of whether any harm

was done by the disclosure. The rules for journalists are less strict, according to the White Paper. The government will have to prove in court that the national interest was harmed by publication and that "the person concerned could reasonably be expected to have known that it would Under legislation to be debated next

month, government employees and journal-ists could be liable to criminal prosecution and up to two years in prison for publishing information in six categories: defense, security and intelligence, international relations, information obtained in confidence from other governments or international organizations, information useful to criminals, information from intercepted communications.

In moving to rewrite Section Two, Mrs. Thatcher was responding to pressure from two quarters. Courts have been increasingly reluctant to return convictions under Section Two. Also, in January, Mr. Shepherd, intro-duced a Protection of Information Bill that removed penalties against journalists and also required the government to show that "serious injury" had been done before government employees could be prosecuted.

Mr. Shepherd's bill proved so popular that Mrs. Thatcher's Conservative majority of 101 seats was reduced to 37 in a test vote.

Nations Strive to Save Rain Forests

seemda: Can new techniques make ronmental problems such as soil the organization and a have formed an uneasy with the timber concern with the timber concern DE JAMESTO great leaguered treasure house, ce a somewhat less gloomy f experts gathered here have

pates from 42 nations are ng a 10-day conference of lemational Tropic Timber hring together the owners or his standing bardwood

> reganization is essentially a group, but the underlying million hectar here is the survival of the acres) a year.

keeping it alive? If so, who will pay and animal species. for this?

"Everyone here is very aware that world pressure to safeguard the tropical forests is growing" ology at Harvard University and a consultant to the organization.

sure on both producers and con-sumers of hardwoods." vesting, the spread of farming and nalists. They say they are deter-collection of wood for fuel, forests mined to see the nimber conference in many tropical regions are dwin-adhere to its charter, which accepts ding rapidly, at a rate of nearly 12 the need to regenerate rather than million hectares (nearly 30 million acres) a year.

The conservationists, who in-

dominate all others on the ages of valuable timber and envi- biologists, say they are supporting

STERY RESOLVED - In the border town of Cindad Juárez, Mexico, Micaela Aguillera de · ía hugs a noy she identified Tuesday as her runaway son, José de Jesús García Aguilera, 9,

er. The boy speaks only a few words and communicates primarily by gestures and drawings.

ing since last fall. The boy, who is partially deaf, was found wandering the streets of the town ovember and had been a mystery to welfare workers on both sides of the U.S.-Mexican

tlantic Institute, a Policy Group

Paris, Closes Because of Deficits

Enid Shuttle, who is the director

emergence of national foreign-po-

Unlike national foreign-policy associations in Western Europe, all

nancing in the form of contracts or seconded personnel, the Atlantic

Institute was financed by companies and private contributions.

stitute's role in France, Dominique

Moīsi, deputy director of the

French Institute for International

Relations, said: "It made a unique

ty Organization.

Western Europe.

States, Western Europe and Japan. industrialized democracies.

agenda: Can new techniques make ronmental problems such as soil the organization and appear to the rain forest profitable while erosion and the extinction of plant have formed an uneasy alliance

Widespread destruction of tropi- the trees. cal trees may also contribute to the buildup of carbon dioxide in the atmosphere that scientists fear is the greenhouse effect.

Much of pressure to safeguard This is a very different world from tropical forests has come from in-10 years ago. There is great pres- ternational conservation groups, whose representatives have also arrived here in large number to prod Mainly because of timber har- and buttonhole delegates and jour-

Experts say this is causing short- chude foresters, agronomists and

with the timber concerns that sell

"This is the only arena where producers and consumers are tosaid Peter Ashton, professor of bigether and have an explicit man-Kenneth Cook, an American representative of the World Wildlife Fund. "We feel this is worth pursuing and supporting."

In asides, however, some of the European lobbyists say they will stage street protest actions against some of the members here should the organization be of no help in halting the rapid destruction of the

After almost 10 years of talks, the group was formed nearly two years ago and its members represent 95 percent of the tropical timber trade. The current meeting, the third, is the first time the group has gathered in a producing nation.
Brazil has almost a third of the tropical forests in the world.

The organization has been short of money, and of the rich nations, only Japan, Switzerland and the Netherlands have pledged contributions for projects. Several na-tions, including the United States, are in arrears in their dues.

Most support has come from Japan, the single largest importer of tropical hardwood. It lobbied hard to become the seat of the organization's headquarters, which opened in Yokohama last year.

Washington Post Service
BOSTON — Governor Michael

running mates. The material sought

includes income tax returns, aca-

Mr. Dukakis, who has acknowl-

edged that Senator Bill Bradley of

New Jersey has "clearly and un-

potential running mate, Senator

and the appeal his nomination

Scott Maxwell, a Nunn spokes-

has not provided any of the infor-

Mr. Nunn's decision not to pro-

vide the data has been read by

many as a signal that he does not

want to be on the ticket, but Mr.

Dukakis said he might "push a lit-

tle bit" if he settles on someone

who has expressed no interest but

has not ruled himself out.

would have in the South.

campaign.

S. Dukakis says his search for a vice presidential nominee is "still a very Divisions run deep. The rich open process," but there is speculacountries say they want to stabilize tion within his campaign and the their supply. The poor countries Democratic Party that the field has who own the forests say that the narrowed to a handful of members rich importers control prices and of Congress. refuse to pay enough to permit
large-scale replanting of trees.

They call the timber trade a classical day that his campaign has requested the detailed financial and health in-

sic example of the economic distor- formation from several possible tions between the developed and developing world. While the nations of the tropics export almost demic records, driving records, mil-\$6 billion worth of logs and planks itary records and health records. a year, the same nations import more than \$10 billion worth of finished wood products.

"We need better wood prices for equivocably" taken himself out of investments," said Julio Centeno, a consideration, was careful Tuesday Venezuelan forester. When we to leave the door open to another say, 'Let's talk about the world trade, we're losing more than \$3 Sam Nunn of Georgia, whom some billion, the countries from the Democrats have advocated because North here get angry and refuse." of his knowledge of defense policy

Greek Bomb man, said Monday that the senator mation sought by the Dukakis Is Claimed By Leftists

ATHENS — The extreme left guerrilla group November 17 claimed responsibility on Wednes-day for the murder of a U.S. military attache, Captain William E.

The captain, 51, a naval officer for nearly 30 years who was about to retire, was killed Tuesday morning by a remote-controlled bomb as he was driving to work.

The police said they were looking for two men who escaped after the blast on a stolen motorbike. November 17 said in a letter to

the newspaper Ethnos, its usual forum for claiming responsibility for such acts, that Captain Nordeen competition from newer organiza-tions with similar functions.

The Atlantic Institute often was had been killed because of what it confused with the semiofficial in-The institute and the Trilateral ternational network of national or-imperialism.

The police said the statement ap-

ately funded foreign-policy that was part of the sources of corporate financial supstiment for a quarter control with the control of the sources of corporate financial supstiment for a quarter control of the sources of corporate financial supstiment for a quarter control of the control of t North Atlantic Council - that peared to be genuine. The organization, a skilled urban support of the North Atlantic Trea- guerrilla group, has claimed responsibility for a long list of political murders and bombings over the Terrorists bombed the Atlantic last 13 years. Each operation has Institute in 1984, apparently bebeen planned and executed with lieving it had NATO connections. deadly precision.

The November 17 letter said that

The institute increasingly focused on issues of trade, public opinion the murder was the second stage of and technology that affected the an operation begun on May 23, when the group bombed the cars of But it was stamped by the strong Turkish diplomats in Athens to personalities and friendships of its protest the visit of Foreign Minisfounders in the United States and ter Mesut Yilmaz.

The group condemned efforts to Mr. Guth, the former head of foster better relations between Tur-Deutsche Bank, took over as the key and Greece, which started talks institute's chief trustee in 1984, suc- in January after almost going to ceeding John Loudon, former pres-ident of the Royal Dutch/Sheil Aegean Sea.

Group, who had close wartime conThe letter blamed U.S. imperial-

Group, who had close wartime contacts with the U.S. policy-making ism for the Turkish occupation of northern Cyprus and for Turkish Prominent among the founders expansionism in the Aegean. It said were John J. McCloy, the U.S. high the Greek governing and oppositions and Kurt Birrenbach, a West German conservative politician

The November 17 letter also

Paying tribute to the Atlantic In- and businessman, who died last called for Greece to pull out of the year. They brought together other North Atlantic Treaty Organiza-industrialists, businessmen and tion and to dose 20 U.S. military politicians in a kind of club, togeth-bases in the country.

er with a small research staff, to U.S. experts are expected here contribution during the Gaullist help maintain the Western alli- shortly to help investigate the killera when the Western alliance ance's strength amid the changes of ing of Captain Nordeen.

(Reuters, AP, AFP)

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QUICK SERVICE: Delivery will begin within

Mr. Dukakis was to spend part of Wednesday in Washington talknext few weeks I'll be making a eration, I am the only one who has decision. ing "to people who may be good prospects for the vice presidency" and part of it talking "to good people generally in the Congress and Senate who I admire and re-

Vice President George Bush examining a Cray-2 supercomputer during a visit to the Ames Research Center of the National Aeronautics and Space Agency in Mountain View, California. A NASA guide explains the system, one of the world's most powerful.

Dukakis Narrows Vice President Field

pears to be Sam Nunn." "This is still a very open pro-cess," Mr. Dukakis said, admonish-ing reporters that "there's only one who knows what's going on, that's the guy you're looking

spect, and one of these people ap-

Paul Brountas, a Boston lawyer and a Dukakis confidant, is heading the search. And a team of lawyers is scrutinizing data provided by the prospects.

Senator Alan Cranston, accompanying Mr. Dukakis to Washington for a speech on housing policy. said he takes Mr. Nunn's expression of a lack of interest seriously.

The California Democrat said he has talked privately with Mr. Dukakis about the selection but would not reveal details of their discussion. Mr. Cranston said the "betting" on Capitol Hill centers on Senator John H. Glenn Jr. of Ohio and Senator Lloyd Bentsen of Texticket in their states but are not known as charismatic campaigners.

mark, Mr. Dukakis said, "I'm not a the choice of Mr. Kean, who has

Dukakis campaign aides denied vice presidential prospect, would reports that he intends to announce be announced this week by Frank

Mr. Jackson, a presidential can didate, said Monday that he is in the process of pulling together the information sought by Mr. Duka-

WASHINGTON - Governor as, both of whom would help the in August, Republican officials The officials, all of whom asked

The Democratic National Convention opens in Atlanta in three faced FEC (Federal Election Com-

ject of speculation as potential run- with public acceptance and votes in ming mates include the Reverend expanding numbers from every Jesse L. Jackson, Senator Bob Gra-state in the union," he said. ham of Florida, House Majority Leader Thomas S. Foley of Wash ington, Representative Richard A. Gephardt of Missouri and Representative Lee H. Hamilton of Indi-

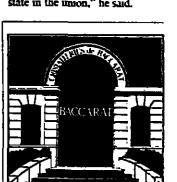
kis. "Of the persons under consid-

Kean Will Make **Keynote Address**

Thomas H. Kean of New Jersey.

Asked about Mr. Cranston's re- not to be named, said Tuesday that been mentioned as a Republican

stood the same public and private test as Governor Dukakis. I have mission), ethics, financial and en-Others who have been the sub-durance tests twice and emerged



New York Times Service

one of the nation's most popular Republican chief executives, will deliver the keynote address at the Republican National Convention

his choice this weekend. The gover- J. Fahrenkopf Jr., the Republican nor said Tuesday that "over the National Chairman.



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Denmark D	Кr.	2,700	33	. 1,500	_25	830	<u> </u>
Finland F	W	1,830	41	1,000	35	550	29
France	F.F.	1,600	37	880	31	480	25
Germany*	M	600	39	330	33	182	26
Gr. Britain	£	135	38	74	32	41	25
Greece	Ďτ.	25,000	47	14.000	41	7,700	35
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	Kг.	2,000	39	1,100	33	600	27
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Rest of Africa, Gulf States.			by		country		by country
Asia \$.,	country	340		190	

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A PARTY. airo Recalls 2 in Missis

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TRAVELUE

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ed Guth, 69, chairman of

itute's governors, said from remany in a telephone in-

+ pay off all the institute's

st director-general, Andrew 34, who was a senior official

Council for Foreign Rela-

ast year, with hopes of reju-

3 the institute's member-

attracting a new generation

derlying problems in the

Finances that, at one mounted to a deficit ex-

liene, during the months he

the institute, said he spent

way time raising money to e deficit and then to try to

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ent years, the institute had

nal budget of \$1 million, a

17, a prestigious rester of

amphlets and newsletters

national issues. But the

in its activities, Mr. Guth

aled an erosion in contri-

and personal interest

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NORS WANTED Ly. Publisher

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\$500,000

nancial crisis."

New York, took over in

pacered the idea of trilateral ently undermined two attempts to

nation between the Western merge the two organizations, one

e and Japan, has ceased op-

s for lack of funds, institute 1970s shortly after the Trilateral Commission showed its appeal

is said Friday. Commission showed its appeal among influential businessmen and s since 1961, has dismissed political leaders in the United

Jermany's leading foreign of International Affairs at the Ford association and taken down Foundation in New York, which

reet plaque in a neighbor-gave grants to the Institute, said, lled with embassies near the "The institute was overtaken by the

being liquidated, probably licy institutes, where researchers a month, but the final legal can get funding and play social and lions remain to be decided," political roles" in their own coun-

Funds have been raised, he of which get some government fi-

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Surprisingly Bold

Anyone who thought that opposition to Mikhail Gorbachev's reforms would blunt his determination got a surprise on Tuesday. In a speech opening the extraordinary Communist Party conference in Moscow, he pressed his campaign for political and economic reforms and told an assembly dominated by state and party officials that the biggest obstacle to perestroika is the heavy-handed management style they re-fuse to relinquish. The general secretary may not be able to win ratification for everything he wants, but his speech yields no evidence that he intends to retreat from his efforts to overhaul Soviet society.

Mr. Gorbachev proposed the party conference last year — the first since 1941. He envisioned a gathering of enthusiastic reformers who would approve steps to consolidate and expand perestroika and join him in ridding the party's Central Committee of reactionaries. The intervening months brought noisy objections. To con-servatives. Mr. Gorbachev's eagerness to confront the failures of history defamed a glorious past. And where reformers saw democratization as essential to change, op-ponents asked how change could ever be carried out by a weakened state and party. Thus when the conference opened on Tues-day reformers among the 5,000 delegates were outnumbered by supporters of the status quo. That narrowed the expectations of the conference and dampened talk about Central Committee replacements. Nevertheless, Mr. Gorbachev showed no

A Russia-Sized Task

Mikhail Gorbachev wants to make the Communist Party of the Soviet Union a fitter instrument to rule. That is surely the large purpose of the party conference he opened on Tuesday in Moscow. His major new proposal, however, was to heavy up the government side of the machinery of politics, as distinguished from the party side. His plan emerged only in sketch form, and how it would actually work, if some version of it were put into effect, is sheer speculation. But his signal is clear: Political reform (meaning keeping the party in power but putting it into a more competitive environ-ment) is the key to the general transforma-tion he has in mind. The question is how the party could survive the surgery which he wants to perform on it - or, more precise-

ly, which he asks it to perform on itself. It is a huge, Russia-sized task that Mr. Gorbachev has accepted in trying to do over a system supposedly impervious, or at least ferociously resistant, to change. He is a shrewd politician, as his success in taking power and launching his shock initiatives demonstrates. Shrewdness, however, is not the lever with which he is prying the Soviet system. He has a vision of his society which strikes even the many Soviets who shrink

inclination to give in, sternly criticizing wrongheaded "command and pressure" management techniques. Perestroika has made available the tools of change, he said. Families could lease and till land; semiprivate cooperatives could produce goods or services. Yet all this is thwarted by managers who cling to the past, "filling the new managerial forms with old content."

To move forward now, he said, requires a reduction in Moscow's centralized power, a separation between government and party, the involvement of more people in decision making and a dramatic increase in individual freedoms. Land leasing must be instituted nationwide to boost food production. "We must make the farmer sovereign master, protect him against command methods and cardinally change the conditions of life in the village." In industry and services, old management patterns must give way to "economic le-vers and incentives." Sweeping reform of state-controlled prices, however worri-some to consumers, would be essential. There is no predicting what the confer-

ence will do with the specifics of Mr. Gorbachev's program. Televised coverage ended with his speech and will not resume until the closing ceremonies at the end of the week. Yet his address demonstrates his willingness to put his own reputation on the line. He could have been far more cautious, trying only to consolidate support. Instead he threw out a basic challenge to the Soviet power clite. The Soviet people, and the rest of the world, now await the response.

THE NEW YORK TIMES.

from it as responsive to its tremendous needs - too responsive. Their expectations are more modest; their faith in the professed ideals of their system is much more modest. They would not dare even to discuss many of the problems he has used glasnost to push upon the public agenda, fearing that the cost in instability, in change and risk, in loss of the familiar ways of party control and party

members' privilege, is simply too great.

The doubters have powerful arguments.

For instance, glasmost helped blow the sparks of ethnic nationalism into the political fires now blazing in the Caucasus (Armenia, Azerbaijan) and the Baltic states; on Tuesday the general secretary had to denounce an on with national isolation" in those regions. He elaborated on a virtual Soviet bill of rights, but he cautioned that citizens "can't use democracy itself for undemocratic purposes" such as redrawing ethnic boundaries or establishing new political parties, and he dispatched police to quash the day's demonstrations for those causes. So it is forward and backward and sideways in Moscow, with the outcome unclear. Just to see astonishing long-dormant issues take life, however, is to realize that Mikhail Gorbachev has brought his country to a place where it has not been before.

— THE WASHINGTON POST.

Other Comment

Historic Stakes in Moscow

Mikhail Gorbachev's four-hour speech to the first party conference to be held since the dark days of 1941 was a noble event and one of monumental importance for the future of the Soviet Union. It amounted to a call for the members of the ruling elite to abandon much of their power and privilege. Such an act of renunciation and of moral cleansing would be almost without precedent in modern history. Experience, as well as Marxist theory, teaches that those who exercise great authority are reluctant to abandon it voluntarily.

Mr. Gorbachev declared in effect that he was no social democrat and equally no Trotskyist. He was an ideological Leninist on the perilous road to the 21st century. - The Independent (London).

To call for such fundamental changes by

next spring suggests a very real sense of urgen-cy — more the urgency of the last-chance gambler than the confident bureaucrat. - The Times (London).

To outside observers, the principal message from the conference will be whether it enhances or detracts from Mikhail Gorbachev's credibility as leader and how this change, in turn, will affect his ability to persevere with his policies. In this regard, the rest of the world, developed and developing countries alike, has a very real stake in how the conference turns out. A fortified Gorbachev can be expected to contribute to a settling of the Kampuchean issue. He realizes that drawn out forays abroad deflect vitally needed resources from an ailing economy and seriously threaten his economic restructuring program. Thus, whether Mr. Gorbachev's sense of national priorities is ratified by the conference in Moscow will have significant long-term implications both inside and outside Soviet borders.

— The Jakarta Post. This week's debate in Moscow is about the extent of reform and the pace at which it should be introduced. It is a dramatic test of wills between the Gorbachevian "radicals" and the "gradualists," who look to the Soviet Union's second most powerful man, the ideologue Yegor Ligachev, to preserve the basis of Brezhnevian stability.

Mr. Gorbachev is clearly keen for market

forces to be allowed to operate politically as that economic liberalizations, in order to succeed, must be accompanied by certain political liberalizations. It is no good telling people to take greater responsibility for their jobs and for themselves if they are denied a significant degree of personal and political freedom. This is precisely what worries Mr. Ligachev and his allies. Their ability to undermine Mr. Gorbachev's brave new order is

such that he dare not alienate them.

Despite Mr. Gorbachev's lofty rhetoric, there are clearly limits to his power and to what his reforms can achieve. It is embarrassingly clear, more than three years after his rise to power, that Soviet consumers are no better off. This is a dangerous position for the radicals to be in, for there comes a point where unfulfilled expectations cause trouble.

Mr. Gorbachev retains considerable good will among the Soviet people. There is no apparent challenge to his position as general secretary, even from the gradualists. But the price of placating Mr. Ligachev may be so high that the Soviet Union will find it difficult to improve its economic performance. Much depends on the outcome of the party conference. Anything short of a strong endorsement of Mr. Gorbachev's policies will spell trouble for him and everything that he represents. — The Age (Melbourne).

Pentagon Shock Waves

The latest scandal in America is breathtaking not just for the many thousands of mil-lions of dollars involved, but for its broad scope. Over eight years, the Reagan administration has depleted America's bank account and spent like a shop-aholic with a new credit card. Washington's many trading partners - Thailand included - can only cringe each time there is a report of new fiscal shenanigans. Stormy seas for the U.S. ship of state means squalls throughout the world.

Clearly the American defense industry is in need of a shake-up. This latest scandal should send a strong signal to Congress that it should tighten its grasp on America's purse strings. If the U.S. budget deficit is ever to be brought under control, overgenerosity, particularly on the part of the entagon, must be curbed.

- The Bangkok Post.

JOHN HAY WHITNEY, Chairman 1958-1982

KATHARINE GRAHAM, WILLIAM S. PALEY, ARTHUR OCHS SULZBERGER

Directeur de la publication: Walter N. Thayer.



Juggling as He Rocks the Kremlin Boat

MOSCOW — Mikhail Gorbachev has two hands. No doubt he could use 20 to cope with his vast task of remaking Soviet society, but two are enough for the balancing act of on-the-one-hand and on-the-other-hand that he

seems to be performing.

In many ways, his sweeping speech to the special Communist Party conference offered bold new proposals and surprising candor at the disappointing progress so far of his perestroika. He said flatly that the program has not yet become "irreversible," which is his aim. But there was always a catch, a hedge, a warning about going too far that somehow cast a doubt about how much he wants to change the system.

Alexander Yakovlev, his top adviser, said at a news conference that Mr. Gorbachev's speech had been submitted to the Politburo eight days before because time was needed for the recommended revisions. He did not say what they were, but it could be assumed that they included such things as rejecting a purge during coming "certification" of party members; defending historical revelations against charges of "maligning" the past; denouncing "wantonness," "irresponsibility" and "permissiveness" in his call for "democratization."

That denunciation brought a round of applause, which interrupted Mr. Gorbachev's machine-gun delivery, from the dour, hard-faced delegates scanned by the television cameras.

It is probably true, as Soviet officials insist, that hard-liners — called "conservatives" now — argue only against the pace and the methods, not By Flora Lewis

the idea of perestroika. But the atmosphere of the conference looked heavy and glum. Asked if the conservatives had turned out to be dominant, Mr. Yakovlev quipped, "Politically they are all Communists." No doubt about that.

Still, Mr. Gorbachev is clearly in charge. There are increasing grounds to think that the real threat he faces is not opposition that might oust him from power but demands for cantion, compromise and delay that could wind up leaving him "Brezhnevized," mouthing stirring plans that don't move things much. He made clear that it is all turning out to be a lot harder and more

reforms and technology to drive the country out of decaying "stagnation," as he calls the Brezh-nev years. Now, he is focusing on political reforms to energize the country, get the economy into gear and above all provide "guarantees" that could prevent backsliding. In that sense he is out in front of China, which has moved a good deal further in liberalizing its economy but is still very edgy when it comes to political control. But the old Soviet gap between words and deeds, theory and practice, is still there. The

the idea of perestroika. But the atmosphere of the .

it is all turning out to be a lot harder and more complicated than he supposed at first. Two and a half years ago, at the 27th party congress, he relied on rather limited economic

dilemma of how to make a one-party state responsive to its people, how to force its authorities to obey their own laws and to respect the rights of

citizens, is addressed, and then resolutely evided.
A crucial problem, Mr. Gorbachev says, is how to redefine the role of the all-powerful party so that it no longer "commands" but only "guides." He says that the party mast be moved out of government, and the government submatted to controls by elected bodies at all levels. He specifies multi-candidate, secret-ballot elections, although they are apparently to be indirect through ascending levels of representation except at the bottom.

But then, to give the elective bodies (soviets) more "prestige," be recommends that deputies

Arafat Isn't

The Leader

They Need

By Jim Hoagland

DARIS—For nearly two decades journalists, officials from an number of governments and well meaning intermediaries have been trying to coax a clear commitment out of Yasser Arafat to make peace with Is

raci. A new round of coating has end-ed with yet another birst of fog from the PLO chairman, who coyly says he will trade his authoritative view on

peace only in return for a meeting with

a U.S. government official.

It should be clear by now that Mr. Atafat is part of the Palestinian people's problem, not part of their solution. To pursue him breathlessly in the

hope that he will modify by a comma

or perhaps even a subordinate clause, the PLO's tortured and inadequate

formulations for Middle East peace is

to play a mug's game. Worse, it helps

postpone the day when a genuine

The theory seems to be that a clear

declaration by Mr. Arafat would sham a

the Israeli government into reversing it isfusal to deal with the Palestine Liber

ation Organization. If Jerusalem does continue to ignore the PLO, then the

Using States and other governments would be willing at lest to pressure Israel on the Palestinian issue.

But Mr. Arafat's unparalleled re-

cord of error, failure and myopia as leader of the PLO discredits any state-

ment that he could make about the

He lacked the vision and courage

make such a statement when it would

have mattered, in the year or so after

the October 1973 Arab Israeli war. In-

stead he went to the United Nations wearing a pistol holster, and later squandered the best chance of a genera-

tion for a peace that would have recog-nized Palestinian political rights. He preferred the delights of being a war-lord in Lebanon and keeping the PLO and its treasury united under his rule to

running the risks and facing the splits that peacemaking would have brought. He urged intellectuals like Said

Hammami (assassinated in London in 1978) and Issam Sartawi (assassinated

in Lisbon in 1983) to voice the PLO's

desire for peace with Israel, while he

remained more ambiguous and alive

Without quite realizing it, I witnessed the beginning of this pattern 15 years ago when Mr. Hammami intro-

duced me to Mr. Arafat with assur

ances that the PLO leader was about

to break with the rejectionist line and declare the PLO ready to live in peace

with Israel. This might even come in our conversation, hinted Mr. Ham-mani, whom I had come to know and

like in Beirut. But it did not amount to

much For small talk I stumbled

through my few words of Arabic, and

Mr. Arafat responded in his then equally sparse English. My attempts to draw him out on Israel caused him

to turn on the fog machine full level

The latest flurry of the small cottage

delphic utterances on peace and secu-

rity was triggered by a written state-

ment attributed to Bassam Abu Sha-

rif. who left Georges Habash's

Popular Front for the Liberation of

Palestine last year to join Mr. Arafat.

any dispute to be settled without di-rect talks between the parties to that

dispute, and we feel that any settle-

ment imposed by an outside power will not stand the test of time," Mr.

Arafat's aide wrote in language that

echoes Israeli Prime Minister Yirzhak

Shamir's stand on peace negotiations

off on the document before it was re-

leased. But, characteristically, he re-

fused to acknowledge these views as his own when asked about them in Bel-

grade. That, he said, was a matter for

discussion between him and an official

of the U.S. government, which has re-fused to deal with the PLO since 1975.

Mr. Shamir has incorrectly dis-

missed the incremental changes in the

statement as "nothing new." It is accu-

penned by Mr. Sharif on Mr. Arafat's

behalf as "nothing significant," be-cause they are made against the back-ground of Mr. Arafat's history of de-

Shifting nuances will not-break the Israeli-Palestinian stalemate. Only bold

change initiated by the Palestinians is likely to do that. Replacing Mr. Arafar

would be one step in that direction. So

would the renunciation of the Palestin-ians' National Charter, which continues

Forming a government in-exile that gives West Bank and Gaza leaders

more of a voice in running the PLO is the best way to dump both the chair-man and the charter. And it would set

to call for the destruction of Israel.

ception and tactical retreat.

rate, however, to dismiss the mances

Mr. Arafat would surely have signed

The Palestinians "see no way for

much to Mr. Hammami's dismay.

Arab-Israeli crisis as it exists today.

seace effort can be mounted.

more "prestige," be recommends that deputies choose the first secretary of the party committee at their level to lead them. If he can't win the election, the party committee should "draw the conclusion" — presumably, to dump him.

And to strengthen the government Mr. Gorbachev calls for a president with substantial powers, to be elected by the Supreme Soiriet. Should that be the same man who is general secretary of the party? Could rival candidates tim? Could Mr.

the party? Could rival candidates run? Could Mr. Gorbachev stay as general secretary if he lost on the presidential vote? No answers. Evidently he isn't out to change the power pyramid that much. He doesn't want to undo the

system; he wants to make it work his way. These are heady times for Moscow, exciting and bewildering. On the one hand, important changes seem to be coming. And on the other? They seem to be canceled out. The one thing sine is that Mr. Gorbachev is rocking the boat. How long the journey will be is far from clear.

The New York Times

Rough Going Ahead, but There's No Turning Back

PARIS — The real question is not whether Mikhail Gorba-chev will "win" or "lose" in his attempt to bring reform to the Sowiet Union. He cannot "win" on the terms actually set. The Soviet Union is most unlikely to become, in the foresecable future, a "socialist state of law" with open and candid debate, truly democratic elections of its single-party leaders, in possession of a productive, efficient and competitive economy.

On the other hand, it is already too

late for Mr. Gorbachev to lose. To win would require a transformation of the political and economic culture. Soviet political society has for 70 years been subject to the will, mood or caprice of corrupted power. The reactionary bureaucratic habits of the state antedate the Bol-shevik revolution. Reliance on police power and the threat of forced labor, censorship and internal exile was a characteristic of czarist society. Early in this century the czarist secret police actually controlled the terror-ist organization of a revolutionary party (the Socialist Revolutionaries) while it assassinated members of the czarist government.

By William Pfaff

place within an envelope of inherited assumptions and expectations. Russia has never been a country of free and outspoken mass political participation, respect for diversity, spontaneous action to assume responsibil-ity and get things done — qualities which Mr. Gorbachev recommends.

The country's economic difficul-ties are equally hard to overcome. There are large practical obstacles. Managers today manage in igno-rance of their costs, cannot control their inputs and have always been compelled to make norm-fulfillment their priority rather than market satisfaction. They usually have known deplorably little about their markets. The culture of the workplace is apathetic and irresponsible.

The special Communist Party con-

ference in session this week in Moscow nonetheless signals an end and a beginning for the U.S.S.R., even if it produces only talk without ultimate decisions. The Soviet Union cannot go back now to what it was before Mr. Gorbachev took office. The true questions concern what it

can become. These are impossible to answer. The Soviet Union has been

nony have been brought into the open, and their consequences for ordinary citizens have been described by Mr. Gorbachev. The truth about the past is being told. However awkward-ly, so is the truth about the present.

These are formidable changes.

What has begun will continue. The specific reforms proposed by Mr. Gorbachev and his associates may be blocked, but the generation which has come to power with Mr. Gorbachev understands that there is no alternative to chause.

alternative to change.

I hunched regularly in the early 1980s with a Soviet intelligence officer, and late in our professional acquaintance, not long before he was expelled from France for activities incompatible with his diplomatic status, I suggested to him that his nation most eventually fail if it went on being controlled by aged, ignorant and iso-lated men, blind to the competitive realities of the contemporary world.

He angrily replied: "My chief is 50 years old! We are going to take over

our country!" He had served in several stations in the West. He was educated, intelligent, fully aware of how backward the U.S.R. really A political culture can change, but only over time. Change by evolution — sometimes by revolution — takes — takes — sometimes by revolution — takes — takes — sometimes by revolution — takes — takes

still underestimate the difficulties w changing it. Mr. Gothachev canced-ed as much in his introductory ad-dress to the special conference. Boris Pasternak, wrote in "Dr.

Zhivago" that "it has often hap-pened in history that a lofty idea has degenerated into crude material-ism." He said that the revolutionary reforms of the Bolsheviks proved unsuccessful. "It was imposs admit the error. To conceal the failure people had to be cured, by every means of terrorism, of the habit of thinking and judging for themselves, and forced to see what didn't

exist, to assert the very opposite of what their eyes told them." Mikhail Gorbachev's success lies in having changed that. Whether he reforms the state apparates and the economy or not, he has broken, in Pasternak's phrase, "the inhuman reign of the lie," "the spell of the dead letter." That had to be done. It was the indisparable step. With it was the indispensable step. With it done, the people of the Soviet Union are able to look to the future in a way which was not before possi-ble. What they will make of the future cannot be foreseen, but they now are dealing in truths, not lies and that is good for everyone.

International Herald Tribune. © Los Angeles Times Syndicate.

The Next President Will Have to Hire Better Help

WASHINGTON — Senator Sam Nunn, musing on the latest Pentagon scandal, blamed at least part of it on the appointment of prejudiced and inexperienced officials. "The cri-teria for hiring people," he said, "was more related to ideology than it was to

As a self-proclaimed conservative, Mr. Nunn was not suggesting that the recent monkey business in the Defense Department was the work of conservative crooks. He was implying that if you hire compatible friends and salesmen to shell out billions in govern-ment contracts, you should not be surprised if they wangle a little swag.

In short, he was condemning not only the present system of awarding military contracts but the old "buddy system" which puts the decision in the hands of men who are government officials one day, employees of arms

Honest Graft

Has Its Limits

By Jerry Knight

WASHINGTON —George Wash-ington Plunkitt, the late Tamma-

ny Hall semanticist, statesman and

sleazeball, invented the concept of

honest graft." The oxymoron is partic-

ularly useful in understanding this sum-

mer's scandals in Washington. Even

Mr. Plunkitt drew the line at blackmail

extortion and bribery. But he under-

stood that there were other ways to

make a buck from the public's busines

When a politically well connected entrepreneur finds out where a road or

park is going to be built and buys up

the land in advance, Mr. Plunkitt once

explained, "Ain't it perfectly honest to charge a good price and make a profit

on my investment and foresight? Of course it is. Well, that's honest graft."

operated by Plunkitt's rule practically

made Tammany Hall synonymous with

leage. The Plunkitt test remains a

benchmark for judging politicians.
Look at the Wedtech case and try to

decide how Attorney General Ed Meese and the others caught in that

Bronx tarpit measure up to the stan-

dard of honest graft. How about the

best-selling mystery book by Speaker Jim Wright? Or what about that patrol

of politicians from a House Armed

Services subcommittee who took

\$2,000 campaign contributions at

breakfast from a truck maker, then

went up to the hill and voted to buy

more trucks than the army wanted?

prototype of an honest graft opera-tion, nothing but a batch of govern-ment business flowing to a politically

well connected company. But the pur-

pose of the Plunkitt rule was to teach

greedy politicians how to avoid going

too far. The Wedtech boys seem to

have missed that subtlety. When your

friends get the contract, Professor

Plunkitt taught, they're actually sup-

posed to deliver something, not go

bankrupt and get themselves indicted

and you along with them. But Wed-

tech is a New York scandal, and politi-

Wedtech at one time looked like the

The New York administration which

ented the modern cost overrun and

management experience."

By James Reston

It may be, Mr. Nunn thinks, that the real scandal begins with the ap-pointment of people who are more concerned with self-interest than with the public interest. It has been going on for a long time; the difference now is merely that there is more money and temptation around the Pentagon.

The question is not merely how Ronald Reagan is going to clean up the mess, but what George Bush or Michael Dukakis are going to do when they have to make thousands of new appointments between election day and the inauguration.

That is the critical period when the new president, exhausted by the campaign, is likely to make the worst mis-takes. He then has to move his family,

line between fortuitous and felonious. Jim Wright could tiptoe down that

line blindfolded in a snowstorm. Ollie

North's paper shredder couldn't cover

his tracks any better. It is going to take

a special prosecutor's best blood-hounds to prove that Mr. Wright

stepped over the line with his book. So

his royalties are higher than any best-selling author's wildest dream. So the

book deal looks like a kickback from a

campaign printer. So his friends bought the book a thousand copies at

a time and admit that they were doing

it to channel cash to the speaker. So a

government employee wrote most of it

on Uncle Sam's time. So don't hold

your breath waiting for an indictment.

add a muance to the meaning of "hon-

est bribe," which in Washington today

has replaced "honest graft" as the poli-

ticians' golden rule. Today's honest

bribe is the campaign contribution,

the PAC payola that flows to every pol

who has a vote worth buying. But it's

an honest bribe unless the politicians

are dumb enough to whisper into a

hidden microphone that they're taking

the money in return for last Thurs-

day's vote. You can bet that the same

keepers of the ethical flame who have blessed the honest bribe will use their

fickle, flickering lantern to illuminate the propriety of Mr. Wright's book.

better example than the \$2,000 bags of

niding-around money paid by the Osh-

As for honest bribes, there is no

If anything, Jim Wright's book will

merchants the next or consultants to prepare his speeches, study the urgent them with the foolish promises he made in the campaign. In the hurry and strain of the transition, the new president is tempted to appoint his friends, who in turn hire their friends as assistants, although none of them may be as qualified as many others who are never considered.

> sound people, but when confronted by a choice between "Meese or men," he chose Ed Meese. He put his old friend Bill Clark in the State Department as undersecretary, although Clark knew little of foreign affairs, and rewarded his failure there by making him direc-tor of the National Security Council The president is working on his fifth director of the NSC, a record of

Leath, the Texas Democrat, and a

Oshkosh makes the Heavily Ex-

panded Mobility Tactical Truck, an eight-wheel, \$130,000 monster that looks like a Caterpillar earth mover

crossed with a Suzuki Samurai. The

army asked for 1,388 Oshkosh trucks

in its latest budget, but Representative Leath and cronies, after accepting

their houest bribes, decided that what

the army really needed was an Osh-kosh fleet of 4,737, b'gosh.

The army should have no trouble

finding uses for the extra trucks. If

nothing else they can be assigned to

National Guard units in the home-

towns of the congressmen who voted

to buy them, each with a driver and

crew to carry the congressman to floods, tornadoes, invasions and oth-

er vote-getting events in the district.

The Oshkosh case would be just

honest-bribes-as-usual were it not for

the appearance of one of Washing-

ton's newest breed of villain, the Pen-

tagon consultant. Oshkosh got its big

order after it hired a retired general,

Richard E. Cavazos, to "consult" on

We are going to be hearing a lot about Pentagon consultants this sum-

mer. The procurement probe is a

scandal in search of an acronym, a

scam out to make a name for itself,

one for the books - a Teapor Dome

or Watergate in the making

doing business with the Pentagon.

bunch of other House members.

cians there never have learned the fine kosh Truck Corporation to Marvin

executive mismanagement. And he still doesn't know what Bill Casey was doing at the CIA during the Iran-Oliver North got into the act, or why he ever appointed Don Regan as his chief of staff in the White House. Perhaps of equal importance, Mr. Reagan has done more to politicize his

diplomatic and judicial appointments than any other president in memory. Like Jimmy Carter, he ran for president by condemning "Washington" and the bureaucrats for all past and President Reagan appointed many present troubles, and then after the election he found that the civil servants were his memory and he had to rely on the people he had condemned.

This has, however, weakened the civil service in general and the foreign service in particular. One recent study of 365 seniors at George Bush's alma mater in New Haven found that only

one expressed a preference for a civil service career. Even at that "Harvard boutique" which Mr. Bush accuses of wanting to dominate Mr. Dukakis only 16 percent of those who spent two years in the Kennedy School of Government during the last decade are now in the federal service. There is no evidence that either Mr. Bush or Mr. Dukakis has established

an organization capable of mounting a serious talent hunt for the coming ad-ministration. They condemn the Pentagon scandals, of course, and vow to remedy the system, but as usual they are leaving the appointment problem until after the election, when it will be too late for careful selection. "We hope the next president will appreciate the value of continuity in

American foreign policy," former Sec-retaries of State Henry Kissinger and Cyrus Vance recently wrote in Foreign Affairs. "We are convinced that the American national purpose must at some point be fixed. If it is redefined

... with every change of administra-tion, the United States risks becoming a factor of inconstancy in the world." The New York Times.

the stage for a real dialogue to replace the false starts of the Arafat era. The Washington Post.

100, 75 AND 50 YEARS AGO

1888: A Wagner Debut

MUNICH - The first opera ever written by the late Richard Wagner, entitled "Die Feen" (The Fairies), the manuscript of which was found among the papers of the unfortunate King Ludwig of Bavaria, was per-formed here [on June 29] for the first time. Wagner wrote this work in-1834, when he was in his twenty-first year. He seems never to have thought of having it performed, although in 1866 he dedicated it to King Ludwig. It is a romantic opera, and the character of the music wavers between the Italian and the German school of that period. The work contains germs of many later effects.

1913: U.S. Heat Wave

NEW YORK - Millions of people in the Middle West are suffering soverely from the effects of excessive heat. In Kansas and Missouri, the thermometer registers 37.8 degrees centigrade (100 degrees Fahrenheit).

Chicago is counting victims of her prostration by hundreds. Various charity organizations in that city a distributing free ice throughout i poorer quarters, while the beacher lakeside resorts are crowded with hausted multitudes, which for the E two nights have sought sleep in th open near the shores. The Govern ment Weather Bureau in Washingto sees no immediate prospect of relie

1938: Death for Spying PARIS — A French government d

cree yesterday [June 29] instituted th death penalty for espionage in peac time. Capital punishment has hither to been taken in spy cases only in we time. Revision of the penal code at thorizes the government to designar special courts to try espionage disc The step was taken, according to the edict, because of progressive is crease of espionage in recent year Germany, Italy, Poland, Czechosla vakia and Roumania aircady pums peace-time espionage by death

INTERNATIONAL HERALD TRIBUNE

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ush: What It's Called Is a Smear Campaign aste in people I respect tell me private George Bush is sensitive anderste. Why, then, is his cambase the so tophymers?

ig style so sophomoric?

li his patronizing treatment of time Ferraro in the 1984 campaign. cked a little ass last night," whis-ig, bad, bold George to a burly reman on the morrow after his with Mrs. Ferraro, taking care to heard by reporters.

was patently calculated. But nes Mr. Bush's problem seems a syntactical impairment. In the ampaign be grossly caricatured value Mondale and Mrs. Ferraro d about the bombing of the U.S. barracks in Beirut. They had apnely questioned the vigilance and int of the marines civilian and y superiors. Mr. Bush characternew as being that the marines shame," a puzzling phrase that By Edwin M. Yoder Jr.

people who speak plain English would hardly say even if they wanted to say it. When challenged, he retreated into

whining. He hauled an American Heritage dictionary to a press conference and with its help tried to prove that the word "shame" had acquired a meaning no one else had ever heard of. What it boiled down to was that Mr. Bush had put vile words into the mouths of honorable opponents, had been caught at it, and refused to retract.

His casual exploitation of the issue of state prison furloughs against Michael Dukakis is in the same pattern. He con-tinues to tax Mr. Dukakis with the Willie Horton case. Horton, a convicted murderer released under the Massachuserts furlough system, committed rape and as-sault. Everyone (including Mr. Dukakis, who signed a law tightening the furlough system after the incident) agrees that the

Mr. Bush is using it to try to show that Mr. Dukakis would be delighted to let dangerous convicts roam the streets.

Occasional blunders like the Horton furlough are the price of any exercise of discretion and judgment in a prison sys-tem. If Mr. Bush had ever held high administrative office, he would know that. The Horton case certainly does not make prison furloughs or other alterna-tives to incarceration bad ideas or, indeed, any less necessities. Every time Mr. Bush dusts off one of his stilted tough-oncriminals speeches, he increases the public pressure on an already overpopulated prison system. The American people are in a jailing mood, but not in a mood to

vote taxes to pay for more prison space. The result is that to avoid conditions resembling those on 18th century prison ships, state parole officers and prison

when judges get into the act, no legal one
Horton case was a grave aberration. Yet

either) except to free or furlough old prisoners as new ones flood in Some mistakes are inevitably made - and the more people you cram into crowded jails and prisons, as Mr. Bush seems to wish, the more inevitable the mistakes will be. He wants to sound like a tough guy, but he merely exposes his ignorance of the gritty problems that judges, prison wardens and parole officials face every day

everywhere in the country. So I'm opposed to these unsuper vised weekend furloughs for first degree murderers who ... are not eligible for parole," Mr. Bush said the other day at the National Sheriffs Association convention. Well, big deal; so is most every other rational person, including, no doubt, Michael Dukakis.

Behind all the careful hedging, Mr. Bush is simply conducting a smear cam-paign. It may be, as he claims, based in fact, but he uses facts the way drunks drive cars. America doesn't have a queen's English but it does have a president's rhet-onic, and one wonders what it would be like with Mr. Bush in the White House.

The vice president once parried a ques-tion about a searing column about him by asking, "Have you ever seen George Will? He'll never play linebacker." He seems to think that the merit of opinions depends on the size of those who hold them. As a tall man, he often assumes the license to

stretch facts to his own measure. But the vice president is not without a rhetorical conscience. Accosted by reporters after his latest exploitation of the Horton case, he said, "God strike me down if I'm not telling the truth."

If I were God, which fortunately for

Mr. Bush I am not, I'd have parted his hair at that point with a low voltage bolt of lightning or two — just to re-mind him that one of the principal rules is the rule against false witness.

Washington Post Writers Group.

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Eggs and Sausage, and Not Much Truth for Ruth

Le over a breakfast of eggs and sausage.
Just what the doctor ordered, if the doc-

حكذاصن المرحل

Reading the morning paper, pondering the guilt or innocence of Speaker Jim Wright, who often appears to be speaking out of both sides of his mouth ...

Listening to the talk at the next table, wondering if Ruth the Waitress will find somebody she can trust to fix her car ... Columnist George Will says in the pa-

per that Mr. Wright may have written, "or caused to be assembled," more books (five) than he has read. I laugh to myself. Ruth, warming up the coffee for a table full of good of boys, is entreating them for the name of an honest mechanic.

"C'mon, tell me the truth," she begs. "You want the truth, Ruth?" someone says in sing-song voice. Everybody laughs. Jim Wright definitely has a problem. It's not so much the \$55,000 he made from a book that he had a government

employee help put together for him. Never mind, either, that the deal smacks of a kickback from his Fort Worth publisher, a fellow Mr. Wright has paid hundreds of thousands of dollars for campaign material over the years.

By Joe Murray

Mr. Wright's problem is that he smiles when he talks, which gives him the countenance of a snake oil salesman. That's mainly, though, when he's on TV. I was one of a bunch of editors who met with him for breakfast at the Capitol

MEANWHILE

in Washington last month. He came across much better in person. (The eggs at the speaker's dining room, however, can't compare to what I get at the coffee shop.) pleads. "Tell me the tr -" Ruth the Waitress's problem is that she needs her car fixed right, and right away, 'l can't do without it more than two

days," she tells the table of ol' boys. "Is there anybody who can fix it that quick?"
"You want the truth, Ruth," somebody says again, and everybody laughs. The big question is whether the House

Ethics Committee (I know it's contradictory, but that's what they call themselves) decides to have an in-house investigation or to appoint a special prosecutor. The difference is that of being licked by a puppy or sniffed over by a pit bull. The difference for Ruth the Waitress is

\$30. There is a fellow who indeed can have her car back to her injust two days. but he charges about \$30 more. "He'll do it right, though," one of the of boys assures her. "Besides, you don't want to

cut corners on a valve job."

Another of the of boxs looks up from his coffee. "Hail, I thought we've been talking all this time about a muffer job." He plucks at his lower his with his thumb and forelinger, thoughtfully. "Ruth, you best disregard all of what I advised you." Everybody laughs out loud, except for Ruth the Waitress, "Cmon, boys," she

It's at this point that I interrupt. What do you boys think about of Jim Wright? Think he's lying or being hed about?"
"Hard to say," one fellow speculates, and the others nod. "But seeing as how he's from Texas, I'll give him the benefit of telling the truth —" (he pauses to puff

Everybody laughs. Me, too. I wanted to say something else, something like, "You heard the truth, Ruth." But I was afraid to, afraid everybody wouldn't laugh. Some people can tell coffee shop jokes. Some people can't.

on his eigarette) " -about half the time."

Cox News Service.

Not the Way Parents Should Grow Old

EW YORK - My father has an organic brain disease. It is Par-on's disease, and in his case it has to the additional trauma of Paronian dementia. He is in and out sity. At times, he is as clever as be — until he sees snakes or estations or trucks in his room. by mother and I could no longer alle him at home. He required sical assistance for every move, his behavior became too unpreable. At home, he never slept and her did we: He also suffers from

leaves him unable to find a painposition in bed. o we brought him to the hospital, are he stayed for seven weeks, until autilization review board decided he no longer needed hospital care.

y kicked him out.

arrowing of his spinal column,

th pinches the nerves in his back

🐃 Je put him in a nursing home, recnended as top of the line, with one sing aide for every 15 patients (if yone shows up for work). He canBy Carolyn Kazdin

not feed himself or get to and from the bathroom. One nurse's aide with 15 patients cannot attend to his needs.

So my mother spends seven to eight hours each day at the nursing home. My father cries, yells and does all that he knows to keep her there. He thinks he is home and cannot understand why she leaves him each evening. He thinks she has other men. He tells my mother that she is bor-

ing a hole in his heart. She cries. The nursing home costs \$45,000 per year. My father is lucky; unlike most Americans, he has a decent union pension. But his pension, added to his Social Security payment. puts him over the income eligibility level for Medicaid in Florida. Not only is he disqualified from receiving these government health care bene-

fits, his insurance pays only for claims certified by Medicaid. None of the diseases which afflict

old, and both his parents lived to be 90. My family could be spending \$45,000 a year for the next 20 years. It's money we don't have. My mother is heartsick. They worked and saved and bought insurance all their lives so that they could

my father are fatal. He is 69 years

grow old in peace. Now she doesn't know how she will live, let alone how to take care of him. A lawyer suggested to my mother that she divorce my father. Yet she is

the one who feeds him, cleans him and loves him. After 48 years of marriage, she is being counseled to divorce him so that she can keep some funds away from the nursing home. We think about canceling his pen-

sion, but then neither of them would have any income. Growing old in America.

The writer is deputy manager for labor and farm issues for Jesse Jackson's presidential campaign. She contributed this comment to The New York Times.

LETTERS TO THE EDITOR

ding "Gulf War: A Face-Saving UN Formula to Bring Iran a (Opinion, June 22) by Anthony Parsons:

Security Council Resolution fire in the Iran-Iraq war. In i not only has complicated s to achieve a cease-fire but I any honorable way out of

nseless conflict. iqi government and its unfor-

ting the ozone layer. Unfor-

recent EC decision referred Mr. Brinkhorst still aims at

ltaneous" ratification by all

at I warned of in my June 18

Ozone Treaty," because such

o wait for the last of the 12

ers before they could ratify.

reover, non-European coun-

which may be wavering in

own decision would be en-

yed to join if these large pro-

rather than later.

responsibility.

; countries were to ratify

o pull off its proposed un-

lented simultaneous adheefore Dec. 31, the protocol

of enter into force, and the

ean Commission will bear a

IARD ELLIOT BENEDICK.

writer was chief U.S. negotiathe Montreal protocol.

sponse to "Tracing Holocaust

y is properly concerned that

olocaust will be "revised."

ivialized and ultimately for-

h, and against the South

bigenses by their fellow me-

as by the Christians and vice

recent genocidal attacks by

against Armenians, Russians

ed by many more references

they would not strike the

s who can't remember the

ecent mass murder of Paki-

by Indians or of Bangla-

ned people and establish

side memorials to commem

French: the slaughters of

luring the Crusades.

by future generations, only

ory to Remember

nism" (June 23):

· :C members as West Germa-

- itain, France and Italy would

...ope and Ozone

: ly, this is not the case.

- recisely the potential for de-

en column, "A Double Threat

Parsons is to be commended tunate Iranian collaborators, who

ght it is clear that the Securi- form of acknowledgment of the le- munist Party and its doctrines. uncil's unfair action in this gitimate claims of the Iranian peothat the Security Council will at Hitler and Marx in particular. also evident that those who least attempt to enact some of the Both wars which, according to

minorities around the world ...

England Isn't Britain

ish) fans were held responsible.

national team is composed solely of

past: the problem was tackled by

the football clubs and the Scottish

behavior of their English counter-

banned from playing on the Conti-

ars ago in Brussels.

team, not the English.

M MOCHADAM London.

A. R. PERRIN. Monte Carlo.

I was shocked by the suggestion aving the moral courage to have no alternative but to continue by Peregrine Worsthorne, of The sublicly his critical evaluation to toe the Iraqi line. For the purposes of establishing a a revived Orthodox Christianity in which aimed to establish a cease-fire, it is important that the the Soviet Union may be more daninternational community offer some gerous to the world than the Com-

The clear inference is that the

ope to gain advantage from suggestions made by Mr. Parsons. Mr. Worsthorne, the Russian Orthodox Church helped the Russians to win - the Napoleonic one of 1812 and the one against Hitler were defensive wars in the course of which the Russians not orate the holocaust perpetrated by only defended themselves from agthe English against the Aborigines
rens Jan Brinkhorst's letter of Australia and the Maoris of New gression but also liberated the rest of Europe from those two dictators 21) might leave readers with Zealand, and all the other "foot-The defeat of Hitler helped the ipression that the 12-nation notes" of murder by governments in spread of communism, but that was ean Community has already our rich history. Not to mention

> secuted by that very communism. As to "neo-religious, patriotic, Slavophile emotions," their chief advocates - Dimitri Likhachev Alexander Solzhenitsyn, Valentin Rasputin, Viktor Astafyev - are Regarding "Thatcher Takes Aim at U.K. Soccer Hooligans" (June 17): primarily concerned with spiritual and moral issues. They have repeat-Professional English (not British) edly condemned repression of non-Russian nations in the Soviet soccer teams were banned from European play three years ago, after Union and called for their greater persons were crushed to death in cultural autonomy. They have critia riot for which English (not Brit-cized the invasion of Afghanistan

> rather than meddle in world affairs. front-page report, the term "Brit-Moreover, Mr. Worsthorne is ish" is misused in connection with soccer supporters in West Germaland, although under one govern-

> It is precisely because of this players of English nationality. If a player from Wales joins a national team he joins the Welsh national team he joins the Welsh national

nent and have never been banned. R. MENCNAROWSKI.

hooks. That has been the other government-organized des — those A Soldier's Plaint can Indians by the Spanish; ling and forced suicides of

In response to the editorial "Real Changes in NATO" (June 17):

Every year 40,000 young men are drafted to serve 12 months in the Belgian armed forces. As one of included should be the them. I resent the current attitude that prevails among American poli-Ukrainians, and Japanese ticians of "Why won't the allies pay Chinese. The list could be more for their own defense?"

My pay of \$4 a day may indeed not enable me to contribute much y chords of daily newspaper to the Belgian military budget. However, wasting a year of my life doing nothing at an army base is a high price to pay for a treaty signed 40 years ago. All my "classmates" rganized Jewry intends to feel the same frustrations. Do you think we should be sorry for the under of innocent people, it few extra dollars that U.S. taxpay-

join forces with all other ers put in to support the alliance? FABRICE N. GEORIS.

Security Council Should Think Again A Slur on Russians

Regarding "A Holier Russia May Not Be Good News" (June 13):

ple. Recent or further Iranian mili- Russians, or perhaps the Slavs as a tary setbacks will not crase the whole, are evil and aggressive by as infinitated most frantains. fundamental omissions that exist in nature; and so the more they are otherwise would have welpeace and justice, it is to be hoped This we have heard before, from

no fault of the Russian soldiers in d the Montreal protocol on mass discrimination against weak the trenches, nor of the church per-

> and have called upon the Russians Consistently throughout this to put their own house in order

the behavior of a certain element of soccer supporters in West Germa-sian Orthodox Church "has never he European Community ny earlier this month, and three been in the least democratic or pa cific." In contrast to the authoritar Why the fuss? Because Scotland, ian structure of the Roman Catho-England, Wales and Northern Irerelatively decentralized and hierarment, are distinct countries. Their chically very weak; only sobors, or elected ecclesiastic assemblies, soccer teams are drawn from within have the supreme power. their own boundaries. The English

> tralized authoritarian states. The Orthodox Church has never sup-Scotland has had its hooligan ported chanvinism, although indi problems at football matches in the vidual members may have done so. Let me point out, as an illustration, that on the eve of the Bolshe-Football Association. And Scottish vik revolution in the ethnically fans abroad do not indulge in the mixed diocese of Kazan (on the Volga River) alone, the Orthodox parts. Scottish clubs are not liturgy was celebrated in almost 20

languages — in the languages of all tribes inhabiting the diocese, ex-cept Russian. The Russians had to hear the liturgy in the not entirely comprehensible Old Slavonic. It was the Russian Orthodox mis sionaries who created alphabets and

the literary languages of most tribes of Siberia and of the three main tribes of Alaska. They also created the Tatar literary language and opened secular Tatar schools in the 19th century to compete with Islamic schools that taught only in Arabic. In contrast, as the Soviet press has recently admitted, the Soviet government has deprived the large Tatar population of Moscow of all

schools in the native language. So where is the chanvinism and aggression of the Orthodox Church? D. POSPIELOVSKY. Cologne.

The writer, a professor of Russian history at the University of Western Ontario, is currently a visiting fellow at the German Federal Institute for East European Studies.



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ASIAN

Chicago May Return **Ancient Thai Lintel**

TOPICS

Thai art experts say they are hopeful that the Art Institute of Chicago will soon return an ancient temple sculpture allegedly stolen and smuggled out of Thailand in the early 1960s, Michael Richardson of the Inter-national Herald Tribune reports. The ninth-century sandstone lintel depicts the Hindu god Vishnu reclining on

water.
Until recently, the institute maintained that there was no evidence that the sculpture was stolen. However, Subradradis Diskul, a leading Thai art histo-rian, said he had been invited to Chicago for talks next week. He said the institute had indicated that it was ready to accept a revolving loan of other Thai art objects in exchange for the priceless lintel.

Dogs Still on Menu For South Koreans

A South Korean government campaign to discourage the eat-ing of man's best friend, in re-sponse to foreign criticism as the Olympic Games approach. is having mixed results at best. During the authoritarian administration of the previous president Chun Doo Hwan, dog meat sales went underground, although they did not stop. But since Roh Tae Woo succeeded Mr. Chun in February, the country has been swept by a wave of nationalism and a mocratic spirit that has made the ban difficult to enforce, an-

alysts say. The Health Ministry says 109 people have been arrested this year for selling dog meat, which carries a maximum fine of a million won (\$1,380) and a year in prison. But in Seoul's mar-

By Michael R. Gordon

WASHINGTON - The United

New York Times Service

States and the Soviet Union have

exchanged information about the

size of some of their nuclear tests.

This was a first for the Soviet

U.S. officials said.



TOBACCO PROTEST — South Korean tobacco farmers demonstrate in the capital arging people not to buy imported cigarettes. The Seoul government recently agreed to open the domestic market to imported tobacco after coming under strong pressure from the United States.

trapped offender is fined a

after accepting a booking. He

said a driver accumulating 12

amount of tax evaded also

chief U.S. representative at the General arms control talks, in testimony to the House Foreign Affairs

kiloton is equal to the explosive disputed Soviet radar facility.

Some officials in the Defense of data.

Despite the exchange of data.

The exchange was under the what additional monitoring mea- a "material breach" of the 1972

during the Moscow summit talks a 1974 treaty that limits the size of a position would allow the United

between President Ronald Reagan underground tests to 150 kilotons. States to suspend some of its treaty

In a related issue, U.S. officials obligations.

kets, hundreds of dogs are on sale, and not as pets. Dog costs several times as much as beef. Those who eat it say it increases strength and sexual vitality.

Around Asia

All the tea in China is not enough for a growing number of its citizens, who are turning to coffee, the China Daily reports. An agriculture ministry spokesman said the Chinese consume 21,000 tons of coffee a year, mostly imported. He said China is seeking foreign investment to start its own coffee plantations. Coffee is especially popular among sophisticated urbanites.

urinating in elevators, Singapore is equipping them with a sensor that detects a chemical in urine, activates a video camera jams the lift between floors

and Mikhail S. Gorbachev.

U.S. and Soviets Exchange Nuclear Data

terms of an understanding signed sures are needed for ratification of

maximum 2,000 Singapore dol-lars (\$1,000). In another facet of yen, 25 percent over the previous year. Under Japan's tax system, merchants and the self-emthe city's self-improvement ployed are able to avoid campaign, its largest taxi netreporting much of their income while salaried workers cannot. work says drivers spreading "malicious rumors" will be penalized. A spokesman for NTUC-Comfort said other Tie a vellow ribbon 'round the grounds for demerit points inold oak tree. Tie it anywhere, in clude not being on the road fact, except on Corazon C. Aquino, Reuters reports from long enough during the day, giving bad service or not turn-Manila. The Philippine presi-dent says she has had enough of ing up to collect a passenger

demerit points in 12 months would face expulsion. from the song about exile, was a theme of Mrs. Aquino's late husband, Benigno. Her political In the Japanese fiscal year that ended March 31, undecampaigns have featured yellow dresses, yellow ribbons, yellow T-shirts on pro-Aquino youths, yellow posters. But on Sunday clared income discovered through routine checks by the National Tax Administration reached 67.5 billion yen (\$519 Mrs. Aquino said, "I have grown tired of it." Her friends million), a postwar record. The say her favorite color is fuchsia. check covered only 243 corporations and individuals. The

important differences remain over administration to declare the radar

Arthur Higbee

Anti-Ballistic Missile Treaty. Such

The State Department and the

reached a record: 46.9 billion

the color that was the symbol of

her rise to power. The color,

Airlines Cautious on New Technology

By Barnaby J. Feder New York Times Service

NEW YORK -The Air France A-320, built by the European con-sortium Airbus Industrie, is the first aircraft designed for traditional commercial operations to rely mainly on electronic commands sent via electrical wiring to control

Traditionally, pilots have used a large wheel or control stick, which the pilot grasps like the steering wheel in an automobile, to manipulate cables that physically start and stop such devices as motors and pumps. These devices move the me-chanical systems that control flight, the rudder, for example, or the silerons and flaps on the wings.

By contrast, the pilot in an A-320 flies the plane with a controller that resembles the joystick for a computer game. It is known as a "sidesrick" because it is mounted at the pilot's side where it will not interfere with the view of display panels. Movements of the stick send electrical signals to computers that translate them into commands for the aircraft's moving parts.

Aircraft engineers said the pilots union will have a tough time sup-porting its claims. The Airbus controis are new to general commercial aviation but hardly a blind leap into the technological unknown.

They are closely related to the controls widely used in military air-

Similar controls have also been used for 19 years on the Concorde, the only commercial aircraft designed to fly faster than the speed of sound. And French government investigators said Tuesday that their initial conclusion was that none of the A-320's systems had

malfunctioned. As a result, the airplane builders expected development efforts to continue on control systems like the A-320's. Boeing Co., for in-stance, said it is leaning toward flyby-wire for its next airplane. And McDonnell Douglas Corp., another U.S. company, said it might fa-vor fly-by-wire if it were designing an airplane from scratch. Aircraft design engineers said that the all-

COURT:

Investigations

(Continued from Page 1)

most important opinions this court

has issued in many years."

Other Supreme Court rulings

• The court made it easier for

workers to prove that their employ-

ers are guilty of illegal discrimina-

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electric approach offers weight sav-ings as well as lower assembly and turned long ago to fly-by-wire it

maintenance costs. "Fly-by-wire saves hundreds of pounds and is much easier to install when you are building the plane," said Peter Sutcliffe, chief engineer for advanced technology in Boeing's commercial aircraft divi-

Mr. Sutcliffe said that wiring could simply be laid along a path while steel cabling had to be installed with close attention to details that affect its performance. such as tension and alignment to the device being controlled. That process, known as rigging, has to be redone whenever parts must be removed in servicing a plane.

The biggest advantage of fly-by-wire is that the electrical network is ideally suited for the use of computers. Planes under computer control can respond more quickly to turbulence and other changes in flying conditions. Computers can also be programmed to see to it that a plane is never forced into a ma-

mands placed on supersonic aircraft like the Concorde and military planes.

Despite the advantages of electronic controls, commercial aircraft manufacturers and their customers have been moving cautiously toward fly-by-wire technology. The control systems based on cables and hydraulic lines are controls on the Pratt & Whitney tried-and-true descendants of the targenes on its new 757s. familiar controls used by the hicycle and automobile manufacturers who pioneered in aviation. Aircraft manufacturers noted

that their customers' primary con-

cern is that travelers have absolute

confidence in the safety of the airplane's control system. Having esditional control systems, the airlines are interested in the poten-tial advantages of Ty-by-wire but in no mood to rush toward it.

"It took a lot of learning and a lot of people ejected from planes to

turned long ago to fly-by-wire lech-nology to meet the exceptional de-leans occurred.

Nevertheless, the commercial sector's transition is well under way. Airbos began in 1983 to use fly-by-wire to control some of the flaps and spoilers that maneuver its A-110 and applied the technology the following year to parts of the A-300-600. Beeing uses fly-by-wire to communicate with the electronic

More important, perhaps, the automatic pilor systems in such widely used aircraft as the Boeing 747, McDonnell Denglas Corp.'s DC-10 and Lockfieed Corp.'s Tristar are, in essence, skeletal fly-by-wire systems that operate parallel tablished that confidence with iratio or as part of traditional cable ditional control systems, the and hydraulic systems.

The new technology, however, requires extensive backup systems for the computers, the software that runs them, and the wiring itself. For example, the electrical neta plane is never forced into a mannet of people gracies from planes to self. For example, the electrical field evelop fly-by-wire for military are works can be disrupted by an accidence as a turn so sharp that it would crack an aircraft's body.

Such capabilities are a major reasonable for the proper gracies from planes to self. For example, the electrical field evelop fly-by-wire for military are works can be disrupted by an accident or by radar, lightning and ager of systems design for McDonother forms of intense energy or nell Douglas's new MD-11, magnetism.

AIRBUS: Pilots Fear Rush to Judgment About Crash,

(Continued from page, 1) shows has nothing to do with

pilot's job." Maurice Cherret, a pilot on the larger A-300 Airbus and president of the national union of navigation of personnel, said it would be premature to blame the pilot until the exact results of the black box invessions. In the companier of the companier of the description of the black box invessions accelerate at their 157 and Concorde.

The A-320 is an easier plane to exact results of the black box mives-tigation have been released. He said the flight recorder would bear out Mr. Hasseline's contention that the engines responded slowly to the

throttle command. "In fact, what he is saving is that he had to repeat the command, losing a vital two or three seconds," Mr. Cherret said. "This would not have mattered in normal flight, but it made all the difference in abnormal circumstances such as these. am not saying there is anything wrong with the plane. But it is programmed to take off from one airport, climb to cruising height and land at another, not to do what it was doing on Sunday."

Mr. Cherret's union is the only one to have signed a contract with the French domestic carrier Air In-ter to fly the A-320 with a crew of

He said the French civil aviation directorate had not invited his union to give evidence at the inquiry into the crash, nor had it made available the readings from the black box that would support the tion. In an important civil rights pilot's contention.

"It is not the FAA," he said, referring to the U.S. regulatory anthority. "It is very hierarchical, very much under the control of the The court ruled that Clara Watson, a former bank employee in
Fort Worth, Texas, improperly was
barred from wing statistics.

marketing and research arm of the four-nation consortium that builds the jet, rejected the notion that the civil aviation directorate was under any kind of pressure to hold back negative information concerning the aircraft. "The result of the investigation

een treated unfairly.

has to stand up in the eyes of the
The court made it easier for world," said a company spokesman, Paul Bond. "If there was a real problem with the aircraft, that would have been apparent immediately. The preliminary investigation not only by the French but by the British Civil Aviation Authority indicated that there is no reason for grounding the A-320." Experts at Airbus challenged

> Mr. Hasseline's assertion that the engines were slow to respond. "That's patently untrue, because

government may give money to re- you only have to watch the video

SMOKE: Fighting Back

(Continued from Page 1)

the bill to ban tobacco advertising and promotion, said: "They say they make a contribution of \$1 trillion to the economy, but let me tell you what else they do. We spend \$4 billion a year on excess Medicare payments because of smoking-related illnesses. Americans pay \$23 billion in extra insurance pren each year because of smoking. And we lose \$40 billion to \$50 billion a year in productivity for the same

Philip Morris U.S.A. is owned by the Philip Morris Cos., which is the nation's second-largest advertiser after Procter & Gamble, Last year Philip Morris spent \$1.3 billion on advertising. Advertisements are scheduled to

run in magazines ranging from Business Week to The Atlantic to group ETA, jumped to his death Motor Trend to Sporting News, from his apartment building early They will cite the number of cars They will cite the number of cars and video cassette recorders owned Guard officers sought to arrest by smokers and the frequency with him, the Guipuzcoa Province gov- which they travel and go out to

recording of the aircraft at the air or seven seconds to accelerate from show and you can hear the engines idling speed to full thrust."

accelerating, Gordon Corps, an He added that the throttle system was entirely separate from the There is no delay at all in send—computers used to fly the plane and

SOVIET: Glasnost Under Attack

Unusually lively for a Soviet an- Other speakers attacked liberal

the same method. were defended, too:
In another spirited exchange. Arguments over the pace of Mr.
Mr. Gorbachev and a leading Sovi- Gorbachev's economic reform

speakers complained vigorously of estroika.

abuses of the power of glasnost, Mr. A.

who briefed reporters. Mr. Korotich, whose weekly Ogonyok has been at the forefront quality.

of the glasnost movement with But Georgi A. Arbaing, head of searing attacks of Sunffath other the Institute on the 1975 and Canacaposes, was critically by taking da said he totally the with catcalls of "Ogonyok! Ogonyok!" dispatch. came from the floor, according to

A delegate and by reputation one some of the delegates are criminal of Mr. Gorbachev's strongest back- guilty of bribe-taking. ers, Mr. Korotich was due to ap-

pear before the press Wednesday and the atmosphere was one of night but canceled at his appear

dience, the delegates on Tuesday publications for publishing materi-jeered the Moscow party leader, al that was inaccurate, or exagger-Lev Zaikov, off the podium for ated, Mr. Sklyrarov said, adding being too long-winded and self-that conservative official periodiserving and on Wednesday they cut cals Molodaya Gvardiya and Nash another delegate's speech short by Sovremennik were attacked, but the same method.

licly exchanged views on some of Abalkin, a leading economist and the leader's policies and proposals.

One of the architects of the archi

Mr. Abalkin said that that peresaccording to Yuri Sklyarov, the troika has produced few concrete head of the Propaganda Depart-results due to opposizion and he ment of the Central Committee, complained that the economic reforms suffer because results are still measured by quantity rather than

The conference ordered a com-

mission to probe allegations that

As Gorbachev Emphasizes Rights, Police Round Up Demonstrators

MOSCOW — Hours after Mikhail S. Gorbachev said that Soviet citizens should be able to express their opinions freely, the police broke up two demonstrations in Moscow, in scenes reminiscent of traditional Soviet intolerance. Protesters shouted "Homeland!" Tuesday as 200 Crimean Tatars

gathered to demand that their people be allowed to return to their homeland in the Crimea, from which they were exiled in 1944. The police moved in twice to drag off protesters, taking them away in In Pushkin Square, the police arrested seven members of a group

called the Democratic Union, witnesses said. That group advocates a multi-party system and an end to Soviet military presence in Eastern Enrope. Participants said that the seven had been fined, jailed or summoned to court. The fate of the Tatars was unknown.

Before the demonstrations, Mr. Gorbachev told the first nationwide Communist Party conference in 47 years that the civil rights of Soviet citizens needed to be better respected.

BALANCE: Caution on Reform

tion for ethnic tension, and he dropped an earlier proposal for latory retirement party officials.

Each statement of this character seemed to appeal to the delegates On the other hand, Mr. Gorba v made some sweeping propo als, including one to have the Soviet president elected by a new parliamentary body and given broader powers

Western diplomats and some Soviet officials said that Mr. Gorbachev's outline seemed to put him in a position to replace Mr. Gromyko, 79 and likely to retire soon. One of Mr. Gorbachev's most

important new plans was originally. designed to shift more power to local non-party governing bodies. known as soviets, and to establish a stricter separation of powers between the party and state. But in an apparent last-minute

ed to make the first secretaries of local party committees the heads of the newly strengthened soviets. Western analysis here said this. would weaken the concept. Applause from the delegates

Helms Undergoes Surgery The Associated Press

Besides providing a forum for debate, the party conference should also bring fresh insights into Soviet politics. With Mr. Gorbachev's speech nationally televised and other speeches to be published in the official media, the public will have a chance to see policy in the

either formalistic or conservative

statements, for example when he

praised the service of Soviet troops

officials be proponents of peres-

troika, some delegates clapped but

others did not. The loudest ap-plause seemed to come when Mr.

Gorbachev promised not to carry

out a large-scale replacement of party officials.

When he suggested that elected

in the war in Afghanistan.

How long the declared truce Tuesday between Mr. Gorbache and the delegates will last is u

Departing at one point from the carefully crafted speech that we approved last week by the party compromise, a provision was add-Politburo, Mr. Gorbachev ma have let his strongest feelings show Looking out over the audience, complained of laziness among pr vincial officials.

Some of the officials objected proposals to increase the power the local soviets, he said, becau "it makes more work for them." As soon as Mr. Gorbach stepped down, the arguments ov approved of the economic reform

WASHINGTON -Senator Jesse Helms of North Carolina, 66, the ranking Republican member of the podium, a factory manager said Senate Foreign Relations Committee, underwent prostate surgery on but objected to the fact that the Monday and is recovering. sometimes led to the closing of it



TechnologyQuarier

Computer Camps Square Off n Battle for Operating System

By John Burgess

n New Technolog

EW YORK - It was a sight that no was quite prepared for: the chief executives of two giant companies known and enemies, standing on a stage together, ing, talking of fabulous gains for customers sy shead due to their action that day, the

ay ahead due to their action that day, the g of corporate arms to form a \$90 million national research organization called the Software Foundation.

Software Foundation.

In F. Akers of International Business Mass Corp. and Kenneth H. Olsen of Digital ment Corp. were joined by the chiefs or executives from five other major U.S. and tean computer companies at the New York ring last month. Each sounded the theme he foundation would help give the world are that was "open," that could be used on different makes of machines, rather than different makes of machines, rather than tied as most of today's is to particular

ce the computer industry's earliest days, have been forced to waste immeasurable of money because one maker's machines are of money because one maker's machines are ally incompatible with another's. Software s have delayed developing new packages se they could sell them only to people using rand of equipment. For years, users endured [My; now more and more are clamoring for non standards in such fields as software,

nter languages and networks.

Its elaborately staged unveiling in New York alists in Europe asked questions through a adio link), the foundation portrayed itself as iswer to a good deal of the software prob-But not everyone was so sure.

one thing, many of the companies at its had grown powerful by keeping their ma-

Companies have grown powerful by keeping their machines incompatible with others.

chines incompatible with others, thereby locking customers into their brands. And absent from the stage was another important group of computer makers, led by American Telephone & Telegraph Co., that has begun its own effort to standardize. With the launching of the foundation, the world computer industry had formally split into two camps, raising the possibility that balkaniza-tion would be prolonged, not shortened.

At issue is a computer operating system known as UNIX. Key to the efficiency of any machine, an operating system is a complex set of instructions by which a particular piece of applications software, a word-processing program, for instance, is run. Some, like UNIX, are available to any company that pays the necessary license fee. Others are proprietary, that is, in use only in the

machines of the company that invented them.

UNIX holds a special place in the industry annals. Few people who have used it feel nentral about it. Patched together in the late 1960s in AT&T's Bell Laboratories for in-house use by the old Bell telephone monopoly, it was known for versardity. It worked in computers that had many simultaneous users and, most important, on many different types of machines.

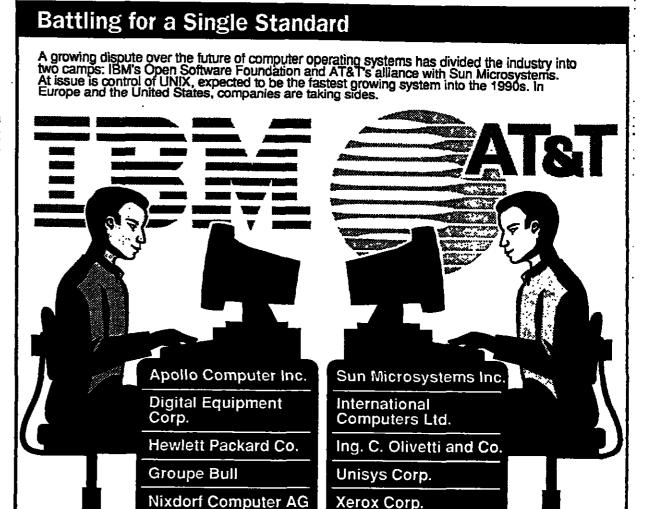
S YEARS passed, AT&T licensed it out extensively (the company at the time was barred by the courts from entering the computer business directly). Many companies that obtained it put their own software people to work modifying it and relicensed it. As a result, today there are by some counts 20 or more versions of UNIX in circulations. tion, many of them incompatible with each other.

In 1984, AT&T spun off its telephone operating companies to settle an anti-trust suit. It saw a bright future for itself in its new slimmed-down form, however, because the deal also lifted the restraints on its going into computers. But in short order, the former monopoly was reeling under the cutthroat competition of that field. Losses piled up in its computer division, estimated at \$1 billion in 1986 and \$400 million in 1987.

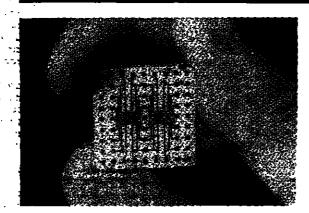
But one bright spot was UNIX. By 1987, it accounted for about 6 percent of the \$87 billion world computer market, according to the computer marketing research firm International Data Corp. of Framingham, Massachusetts. The sys-tem had become a favorite with engineers who work with the powerful desktop computers known as work stations. It was being used in supercomputers and was making the first inroads into the vast market of personal computers.

In Western Europe, UNIX was running espe-cially strong, with Data International estimating

Continued on page 9



ON THE INSIDE



Superconductors

The race to develop superconductors egan 18 months ago. But a new port indicates that Japan only sucreded in coordinating its resources t the start of this year. In Continue to a Longham

Police Rooms, Lythins

Æ.-

By Kathy Sawyer

ASHINGTON - In recognition of the vast advantages to be gained by both sides, the United States and the Soviet Union have begun taking tentative but tantalizing steps toward a

joint mission in space.

Under a high-level agreement signed last year, teams from both sides have been negotiating formally, alternating be-tween Moscow and Washington, to inrease cooperation in five categories: solar system exploration, space astronomy and astrophysics, earth sciences, solarterrestrial physics, and space biology and

This foundation was broadened by an agreement proposed by officials of the National Aeronautics and Space Administration and quickly accepted by the Soviets just before the Moscow summit meeting, where it was signed. The pact calls for the two sides to launch scientific instruments on each others' spacecraft.

Soviet officials have become increasingly aggressive in pressing the Americans to cooperate.

Even Reagan administration planners for the Strategic Defense Initiative re-cently proposed asking for Soviet help in retrieving an experiment in orbit - a notion the White House rejected.

something valuable to offer the other. Despite the stark contrast between Soviet successes and American failures, the Soviets are not "surging ahead," as some claim. A wealth of post-glasnost information shows that the two programs are essentially well-matched, with complementary strengths.

In contrast to the flashy but erratic

U.S. style — the all-out effort for the Apollo program, waning commitment after the early 1970s, then concentration on four copies of the costly shuttle - the

U.S., Soviet Moving Closer to Joint Space Mission

Siemens AG

Soviets have kept a simple, steady course. Their policy has been to launch large numbers of proven rockets, assemblyline style, carrying payloads that wear out quickly (Soviet satellites last weeks while U.S. ones last years) and developing experience in long-duration manned space flight. But they are keenly aware that their approach is limited.

As a result, Soviet officials have become increasingly aggressive in pressing the Americans to step up cooperation. The new NASA proposal represented a U.S. determination to initiate something. rather than merely to react to the Soviets, several officials have said.

Xerox Corp.

Besides providing for the exchange of instruments and increasing the exchange of data and scientists, the U.S. proposal also calls for studies to be conducted by each country on prospects for further cooperation on unmanned missions of space exploration.

The Americans objected to having Mars singled out as a goal, since that is perceived as a Soviet-led initiative not yet embraced by the United States, but they accepted language in the summit agreement that mentions missions to both "the Moon and Mars as areas of possible bilateral and international cooperation."

Until now, U.S. scientists have, with minor exceptions, been prevented from flying their instruments aboard Soviet craft, primarily because of concerns that the Soviets would gain access to vital U.S.

For example, a U.S. scientist recently was unable to win government approval to place a plasma-wave experiment on the Soviets' Phobos mission. The Soviets arranged for a more advanced instrument to be built by other nations and the Euro pean Space Agency.

Just to prove it could be done, NASA officials won approval through the inter-agency system to offer the Soviets, under the new agreement, a 15-year-old ozone mapping instrument for flight on one of their craft. However, Defense Department officials say it is likely to be impossible to get sophisticated, state-of-the-art instruments cleared.

States in advanced electronics and computer technology by about a decade, and it needs U.S. tracking, data-processing and other capabilities. Despite earlier efforts, the Soviets have never landed a craft on Mars and they need the data obtained by U.S. craft. They also envy the

Continued on page 8

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TechnologyDevelopments

COMPANY PROFILE

Biotech Firm Targets Third World Markets

By Michael Richardson

INGAPORE - In 1979, when Frank Tamru was about to become Asian manager for a big U.S. supplier of artificial heart valves for humans, he visited the company's factory in Irvine, California.

He noticed that all the women sewing the chemically treated animal valves onto plastic or metal mounts were Asian-Amer-

That's really what started me thinking," he said in a recent interview. "The more I traveled in the next few years, the more I wondered why we could not make high-quality replacement heart valves in Asia at prices Asians could afford."

Mr. Tamru is executive director of Pacific Biomedical Enterprises Pte. Ltd., a company that earlier this year began producing valves made from molded plastic and the aortic roots of pigs'

A mechanical valve made of titanium and delrin, a plastic material, will be marketed by the firm this month, while another biological valve, using the pericardium tissue that surrounds the hearts of cows, will be on sale in August

Pacific Biomedical, drawing on the resources and expertise of Australia, China, Singapore and the United States, aims to harness advanced medical technology for Third World markets.

Dr. Victor Chang, a heart sur-

geon who directs the National Cardiac Transplant Center at St. Vincent's Hospital in Sydney, said that the valves could lead to "a significant reduction in health costs in many countries in

Surgical replacement of defective human heart valves by artificial substitutes has become a routine operation in the West and Japan in the last 25 years. The survival rate of patients is about 95 percent. Many continue to lead an active life for 10 or more years.

However, Mr. Tamro estimated that of the 115,000 valve replacement operations that will be carried out around the world in 1988, only about 17,000 will

Yet it is in Asia that the need for the treatment is most acute.

Rheumatic fever, which follows from untreated strep throat, is a major cause of damage to human heart valves.

The disease, which responds well to prompt medical treatment, is declining in North America and most parts of Europe. But it remains prevalent in

A shared interest in this problem led Mr. Tamru, a specialist in Asian medical marketing; Dr. Chang, who was born in China, and Brij Gupta, an American neart tissue expert who was born in India, to discuss the feasibility of making affordable replace-ment valves for developing countries when they met at a medical conference in the United States in 1981.

Once investment capital for Pacific Biomedical from a group of Australian doctors was assured, the three founders were joined by Richard Martin, an engineer from the United States. Most artificial heart valves are manufactured in the United States and Europe. Mr. Tamru said that they cost between \$1,000 and \$1,500.

By placing Pacific Biomedical close to its main market, he explained, and taking advantage of lower costs of labor and materials, overheads and marketing expenses, the company could sell its heart valves for about 50 percent less than the cost of comparable U.S. and European prod-

Mr. Tamru said he expected that by 1992, the Singapore facality would be supplying 15,000 heart valves a year.

The company has a joint ven-

ture operation to produce biological valves in China. Its partners are the Guangdong Cardiovascular Institute and the Guangzhou Economic & Technical Development District.

Aortic roots from the hearts of pigs slaughtered for meat in Sinsanore are trimmed and chemically treated by Pacific Biomedical. They are then flown to the China facility for labor-intensive ewing and mounting.

Valves for export are sent back to Singapore for final quality control, testing, sterilization, packaging and marketing.

MICHAEL RICHARDSON is the International Herald TriSuperconductors Sparked Year of Debate in Japan

By John Burgess

ASHINGTON — When the race to develop hightemperature superconduc-tors was touched off in late 1986 by a breakthrough in Switzerland, scientists worldwide embarked on one of the most intensely competitive research efforts in the history of science.

In the eighteen months since, attention has centered on the United States and Japan, where major government initia-tives have been launched to bolster research and where hopes of becoming the first nation to reap the commercial benefits of superconductors are keenest.

A report released Tuesday by the U.S. Office of Technology Assessment indicates that Japan may already be winning the race. But it challenges a widely held belief outside Japan: that the Japanese government, following the news from vitzerland in 1986, was able to immediately fund and launch a coordinated crash program to develop superconduc-

In fact, the report said, the Japanese spent much of the year in debate and bureaucratic maneuvering over who should play what role.

It was not until early this year, the study said, that Japanese policy began to coalesce, spread across three ministries international trade and industry, education and transportation - and the Science and Technology Administration.

"By the beginning of 1988, policy objectives in Japan had been reasonably clearly defined," the report said, adding that the direction of policy had been more thoroughly debated than in the United States. They show a clear recognition of specific needs and specific problems impeding commercialization."

The four agencies had "competed with one another for resources" to support the superconductor work, the report said. Between them, they will spend about \$70 million for research in 1988.

In addition, 38 major Japanese companies known to be working in the field responded to a survey for the report that they planned to spend another \$90 million during the year, and at the year's start had about 900 scientists and technicians assigned full time to the field.

Superconductors are materials that channel electricity with almost no resistance or loss of energy. Forms that work at extremely low temperatures are al-ready available. Scientists are trying to develop ones that work at high temperatures, ideally room temperature, in the belief that they would revolutionize power generators, trains, computers, medical

sensors; indeed, virtually any device that uses electricity.

Despite Japan's slow start, government policy and a corporate culture that stresses research and development and the "long view" are together pumping formidable steam into Japan's efforts, the study contends.

"Japanese companies have made sub-stantial commitments of people and funds, pursuing research and applications-related work in parallel," the study

"Steel companies and glassmakers, as well as chemical producers and electronics manufacturers, are seeking new businesses, ways to diversify. Japanese managers see in [superconductors] a road to continued expansion and exporting and are willing to take the risks that follow from such a view "

Japanese companies already have demonstrated excellence in key skills underlying superconductivity, such as ceramics and microelectronics. They have soldiered on in research in related fields, notably the high-speed computer switch-es known as Josephson Junctions. U.S. companies largely abandoned that field several years ago as uneconomic.

Highly dependent on exports, Japan has built an enviable record in commercializing the discoveries of other countries. And though their accomplishments in the basic research that lead to such discoveries are less impressive, the Japa-nese see the superconductor effort as a means to bring that up to world levels.

APANESE companies traditionally look to market share, not profits, as the true gauge of success. They spend a greater percentage of their sales on research and development than do U.S. companies, seeing that spending not as a luxury but as an absolute necessity for growth and

Government officials do not control the Japanese economy, but they do play an important role in bringing industry executives together to coordinate and develop industry-government consensus on

Government has close ties with universities as well, the other leg of Japan's research triangle. Professor Shoji Tanaka, who last year became a hero of sorts in Japan for his work at the University of Tokyo, now heads research at the Ministry of International Trade and Industry's International Superconductivity Center.

Declaring that its research effort is open to the world, Japan founded the center in January of this year. More than 85 Japanese companies have signed up as full members, paying about \$800,000



miller (

A disk of superconducting material, above, bathed in liquid nitrogen to keep it cold, repels a cube magnetic material, demonstrating the physical phenomenon behind magnetically levitated high-spe trains. Prototypes of these trains (inset) have been tested in Japan and Europe.

each for the privilege. Not one foreign company has done so yet, though a few have opted for a cheaper associate mem-

Japan's Science & Technology Agency will be focussing on basic research. New money for superconductors will go this year to various national laboratories, notably the National Research Institute for Metals. Its Multicore Project, targeted to get about \$16 million in fiscal 1988, is intended to strengthen laboratory work and speed transfer of research results to

Much of MITI's 1988 superconductor budget, however, will go toward applica-tions, not basic research. It will continue

with work on Josephson Junctions and on a 70-megawatt superconductor power generator known as the Moonlight Project. Much of its work will be conducted at the Electrotechnical Laboratory, which has about 40 of 560 researchers working

"MITI sees its role as supporting industry not only by creating incentives for applications-related R&D, but by spurring productive interactions among firms and industries that might not otherwise collaborate," the report observes.

In addition, the Ministry of Education will spend about \$14 million to finance university research into superconductivity, with most of the money going to Tokyo, Tohoku and Kyoto Universit The Transport Ministry's role is prime to continue support to a two-decade project to build a practical magnetic evitated train. Ministry funding in I will be about \$4 million.

The report notes that a "supercine tivity city" has been proposed to cent ize research and applications work.

JOHN BURGESS, a financial reports The Washington Post, covers techno paper's Tokyo bureau chief from 198 1987.

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Closing In on Joint Space Mission

on superconductors.

U.S. ability to send missions to the The Soviet desire for better instruments to probe, photograph and analyze planets and other cosmic matter has led them to create "a sort of nonformal de facto consortium" with European nations, according to Roald Z. Sagdeyev, head of the Soviet Space Research Institute, who is an adviser to the

chev and a leading proponent of U.S.-Soviet cooperation. Many European scientists have for years been cooperating with the Soviets on major projects even though this activity has been controversial. For example, 14 nations participated in the Soviets' spectacular Vega mission to Halley's Comet, in which the United

Soviet leader Mikhail S. Gorba-

States played no major role. France is the Western nation with the longest and most exten-sive record of cooperation with the Soviet Union in space science re-search, dating to 1966. By the early 1980s, one-third of France's more than 2,000 space researchers and technicians were doing work related to French-Soviet cooperation, according to the U.S. Congress' Office of Technology As-

In 1982, the two countries launched a joint manned flight, though their activities are most heavily concentrated in the exchange of data and Soviet launching of French experiments. By the mid-1980s, the level of French-Soviet cooperation was close to that of French-U.S. cooperation. Some Western scientists have recently suggested that the global "center of gravity" for international space science might be shift-ing from the United States to the Soviet Union, in part because of contrasting attitudes in the two

countries. But the equation is changing. While the Soviet Union has been launching about two rockets a week on civil and military missions with the boiler-plate-andrivet technology that U.S. engineers used to deride, the U.S. capabilities, which are considered to be superior, have been pinned to drawing boards by volatile budget and political cycles and a lack of national commitment that began long before the 1986 Challenger disaster. The United States has not launched a planetary mission in the last decade.

"Space biology, life-support technology, automatic rendezvou and docking and planetary lander systems are but four areas where we can gain knowledge from the Soviet Union," said Louis Friedman, executive director of the Planetary Society, a U.S. space in-

Scientists in the two countries have long lobbied for more coop-

Continued from page 7 eration as a way to spread costs, avoid duplication and maximize day to maximize the ground covist-administrator at the V.I. V scientific results. For years, they have traded data informally.

Both sides are already linking their Mars missions.

"To pass up cooperation would be a major mistake," said Sam Keller, NASA's deputy associate administrator for space sciences, who heads the U.S. team negotiating with the Soviet Union. There are compelling reasons that dic-tate we should muster as much energy as it requires."

At the Soviets' request, the Americans have agreed to modify their modest 1992 Mars Observer mission so that it can receive and transmit data from the French-Soviet balloons that the Soviets plan to leave on Mars during their mission to be lannched in 1994. The superior U.S. transmission capability would double or triple the

agery coming back.
"They've offered to give us the raw data in return, right away,

Mr. Keller said, For the Soviet Union's Phobos mission, NASA's Deep Space Network will track the Soviet vehicles. providing accurate position reports so the craft can make deli-

The Soviets will tell U.S. scientists how they communicate with their robot probes and how they "format their data stream," Mr.

Scientists from each side will their cameras at different

ered, trade processed data and conduct joint studies to identify promising landing sites. The United States has provided data from its Viking missions to Mars for

this purpose. In addition, there are several other possible steps short of traveling fully integrated on the same ship, such as flying each other's scientists or sending separate space craft on the same mission.

ENTAGON officials will monitor the new relationship closely. Stephen Bryen, deputy undersecretary of defense for trade security policy, said that coopera-tion will be "by the book ... There will be senior review from day one. We are not going to have scientists trading a bunch of computer tapes without us knowing what's on

While some U.S. Defense Department officials warn that Sovi-

et space activities mask a sinister military thrust and an attempt to appropriate vital U.S. technologies, scientists in both countries argue for cooperation as an anti-dote to the costly and dangerous military competition.

Building a lunar base, for example, is a major undertaking that the Soviets would feel compelled to match if the United States went ahead on its own, said Alexander

and Analytical Chemistry in M

"This is very sensitive in military aspect," he added. "Y will have the possibility to h there missiles which can be sen Earth, and nothing can si

NASA Administrator James Fletcher told a space symposi recently that the Moon "might a more appropriate initial desti-tion than Mars" for a joint a sion. It would give the two 'opportunity to build a stable b for further cooperation."

Notwithstanding the signific support in each country for a ic nned Mars mission, both si still have a lot to learn about wo ing together.

After the last joint activity the Apollo-Soyuz docking in a in 1975 — relations between two countries deteriorated folk ing the Soviet intervention in . anistan and other events formal cooperation was b

Whatever strategy is a will have to last a long ti will go through three to dents in the course of a gram," Mr. Keller noted

RATHY SAWYER, and porter for The Washin



Last joint effort: Alexis Leonov and Deke Slayton at Apollo-Soyuz docking in 197

TechnologyWorkplace

W Installs 'Honeycomb' on Assembly Line

By Douglas Sutton

MDEN, West Germany -Chaos" is hardly an attribute me associates with to German dustrial engineering technolatime that any engineer, Ger-

highly prizes. swagen engineers took a he Hall 7 assembly plant win on a North Sea inlet border and about 200 miles) west of VW's

VW ended production of if the medium-sized Passat in May began manufacturon Variant.

oric, doesn't it?" said Willi engineer who helped to stations at the Emden ourse, it's a highly organized

ment was pointing to the core Hall 7, where remote-con-cers were bringing subframe ne of 16 spot welding stapparent order and regardless the bodyshell was to be for the for for the station wagon. bots, triggered by sensors, autoadapted themselves to the dif-

ding chores presented by the

models, changing tools and anensional assembly prot of robots placed the bottom, sections and roofs together, obots quickly spot-welded At Emden plant, robots take care of the chassis-welding chores.

separate subframe sections. The German terminology for this process is "Pertigungssystem flexibler Roh-bou," which roughly means a manufac-turing system for flexible bodyshell mbly. But VW engineers have a simpler description: "wabe," or honeycomb. VW. Europe's largest carmaker, is convinced that it will be the vital component in a strategy to remain cost competitive through the turn of the century.

"The plant has a pioneering character," said Ludwig Schmahls, head of the production planning division at Emden plant, Volkswagen's second biggest man-

ufacturing center after Wolfsburg, the company's headquarters. main framework. Other robotized work stations had previously assembled the

"The goal was for a higher degree of flexibility in both the product and the production process, and we've achieved it with the wabe concept," Mr. Schmahls said about what VW calls its Layout 2000, a factory for the 21st century.

Robots, all designed and developed by Volkswagen, are a key element in the company's automation efforts.

Volkswagen said that at the start of the year it had 2,216 robots working at all its domestic and foreign manufacturing sites. By the end of the year, VW expects to be operating 2,500 robots, with another

with about 610 robots, compared to about 580 at Wolfsburg and 410 at the Audi division's plant at Ingolstadt,

At Emden the robots are mainly in operation at the flexible bodyshell assembly stations, doing 80 percent to 85 percent of the work, according to VW engi-

Further down the line, the human element is much more in evidence as workers perform the intricate tasks of assembling the 9,000 to 10,000 parts and components in the Passat and Variant. By comparison, the classic Beetle had 3,000 parts.

"The new Passat gave us the chance to develop both a new product and a new manufacturing method at the same time," Mr. Schmahls said. "The first aim of course was to improve the product's quality, while trying to keep the costs in

"We think we have succeeded since the new Passat is worth about 20 percent more compared to the old series, " he added. "And though it is greatly more active. And though it is greatly more complicated to manufacture, we need two man-hours less to produce it. And we kept the basic sales price constant, at some 23,200 marks."

A tightening and increasingly competi-tive car market, combined with the huge up-front product and manufacturing development costs, were what made VW

seek a maximum in flexibility. VW invested 2.6 billion Deutsche marks (\$1.51 billion) for the new Passat. This included 640 million marks to develop the car and over 1.6 billion marks in developing the manufacturing technology and equipment. Of that latter sum, about 1.2 billion marks have been invested at the Emden plant, where as of April 30,

VW says that the new automation and rationalization have not cost any jobs at Emden. However, some have been shifted to smaller firms set up in the region to

عكذاهن الرجل

supply certain components under cost-saving "just in time" delivery procedures. Hall 7 is designed for a capacity of 1,200 cars a day. By early June, produc-tion during two eight-hour shifts was run-ning at 800 to 850 cars, and gradually rising. In the first month, more than 41,000 of the new series Passats had come

off the production line.

Mr. Schmitt said that the two years of preparation, including computer simulation of the entire manufacturing process,

helped keep problems to a minimum. Showing a visitor one of the bodyshell welding stations, Mr. Schmitt tapped codes into a computer monitor, which promptly delivered graphic charts and nformation about current production.
"Here is a station boxed in red," he

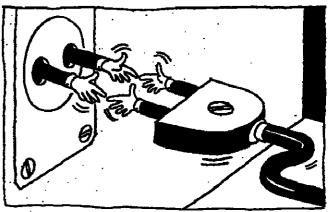
said pointing to the screen. "It's the station right behind you, and the red means that production has stopped because of some technical matter. Usually the problem is material stress in one of the spot welding robots."

In less than a minute, two maintenance

men appeared to inspect the robots.

"But you notice that work is still going on at the other stations." Mr. Schmitt said. "This is the main advantage of the beehive system --- a problem at one work station does not stop work at the others. In a conventional assembly line, when there is an equipment breakdown, the entire line becomes idled while repairs are carried out."

DOUGLAS SUTTON is a business and economics editor for the English-language service of DPA in Hamburg.



Europlug: Its Day Is a Long Way Off

By Sherry Buchanan

ARIS -- Wet hair in the middle of winter that is not meant to be the gel look; a creased suit at an important meeting; a stubble on a usually clean-shaven executive - these are signs of distressed travelers who couldn't fit the plug on their hairdryer, iron or electric razor into the foreign sockets of their hotel rooms.

The Europlug is still a long way off. In the European Comm countries there are a variety of plugs, with the biggest difference being between the three-pronged British plug and the two-pronged Continental one.

"It seems that in 1992, even with the internal market, there will still be existent national standards." said John Cutting of the Institute of Electrical Engineers in London.

Currently, the British three-pronged plug is coming under siege from the Continental plug, although the British have no intention of undertaking the costly rewiring of their country.

Twenty years ago, the British

changed their system from a round oin system to a square pin system. And changing a country's entire electrical system is no easy task. Some British households still have round pins.

In addition, the British electrical wiring system is a matter of national pride. Unlike the Continental one, the British threepronged plug has its own fuse, which, some argue, makes it safer.

Proponents also say the British system is cheaper because the electrical wiring systems use up less cable. The British use a ring system, the Europeans a radial system. The plug is also bulkier: the appliance. Governments originally began

searching for an international standard for plugs and sockets in the 1970s to help governments in then emerging developing countries to have something to go by and not end up, as some have, with three different electrical wiring

The initial idea was to come up with an international standard that would be different from anything else on the market so that all countries would have to suffer and change their systems on an "equal pain for equal gain" concept.

However, the Germans and the French objected to the new inter-

national plug.
"It would cost EC countries 80 billion ECUs to change all their wiring systems, so there has been no move towards harmonization." said Hanns-Karl Tronnier, general secretary of the European Committee for Electrotechnical Standardization in Brussels, the agency

EC electrical standards. According to the agency, there are 40 different plugs worldwide. It has been argued that, as people use more and more computers, they will need all kinds of different

responsible for harmonization of

plugs anyways.
"There is no need to get worked up about an international plug. We're all getting wired up with different kinds of sockets and plugs anyway for different kinds of machines such as computers," said T.C.J. Cogel, editor of the Electrical Review, the British trade magazine.

SHERRY BUCHANAN writes the International Manager column for the International Herald Tri-

ents to produce the car's 450 robots ordered for next year 10,151 people were employed. Imputer Camps Square Off in Battle Over Standardization

ntinued from page 7

we has a 12 percent share of the sere. Partly that is due to nationctions by governments there, omoted it to fend off American ddling proprietary systems.

saw it as a way for their vendors te on a one-to-one footing with Digital," said Maury Domen-NIX analyst at International

ly every industry analyst, mean-spredicting that the UNIX mari keep growing by leaps and International Technology

last year began aggressive acain control of the system it had alt began working closely with

Joint Space

the fast-growing California company Sun Microsystems Inc., one of the most inno-vative modifiers of UNIX. To seal that alliance, AT&T announced in January this year that it would buy a 20 percent stake in it. Following other deals, AT&T had in hand the three dominant forms of

Moving fast, it announced plans to merge these three into one and to make the system more "user-friendly" (designed for experts, its cryptic commands have always been intimidating to amateurs). It lined up support from Xerox Corp. and Unisys. Ing. C. Olivetti & Co., the Italian computer company in which AT&T owns a 26 percent stake, was also viewed as on the AT&T team.

AT&T's competitors, meanwhile, were getting nervous. Their critics say they were getting upset because the grip of their proprietary systems was being loosened. But the companies say their concerns were legitimate, a question of preserving access to UNIX, which some were likening to a public trust.

Was AT&T taking a public system pri-

vate, they asked. By having advance knowledge of the details of the new UNIX, would AT&T and Sun have an ımfair jump on everyone else in developing new products? Moreover, the systen was being designed to fit into a computer chip developed by Sun. Would that give Sun an unfair advantage in hardware? For many companies, it was the first time they had taken AT&T's forays in their industry seriously.

O IN January this year, a delega-tion of computer makers called at AT&T offices to demand a role in developing the new product. AT&T offered concessions, but to the visitors they were inadequate. Later, there was talk of an antitrust suit

against AT&T, but the group decided instead on the foundation. Charter members were IBM, DEC, Hewlett-Packard Co., Apollo Computer Inc., of the United States; Groupe Bull of France, and the West German companies Siemens AG and Nixdorf Computer AG.

The foundation's declared aim is to develop a truly "open" form of UNIX. Any company is free to join, it says. All members will share the results at the same time and benefit equally. It pushes aside

suggestions that it is an unfair grouping.
"We aren't addressing the AT&T and
Sun issue here," said Henry Crouse, the
foundation president. "We're addressing the issue of how best we can resolve computing capability internationally."

On the day the foundation was formed, AT&T called it a vote of confidence in the future of UNIX. But officials at the company also raised questions about whether ufacturers that for so long had been peddling proprietary systems could really be making such a shift in strategy. It declined an invitation to join, delivered personally to AT&T chairman Robert E. Allen. The trade press later reported that AT&T may resist licensing UNIX to the foundation and has its lawyers looking into possible antirust suits against it.

The foundation immediately sent a del-

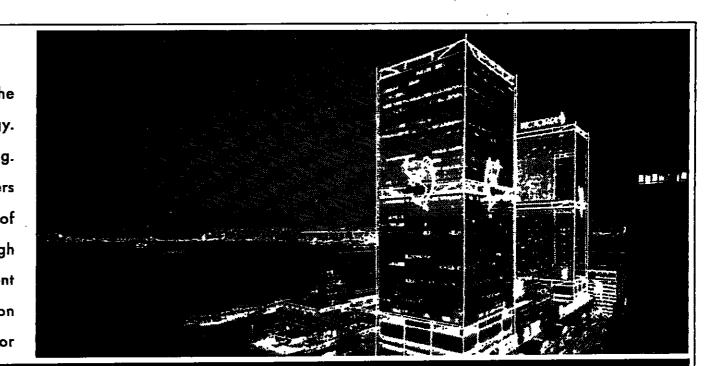
egation to Japan to recruit new members.

But as of early June, no more companies have joined, though the foundation says that Dutch maker Philips is about to do Mr. Domengeaux, meanwhile, predicts that Europe will in general back the foun-

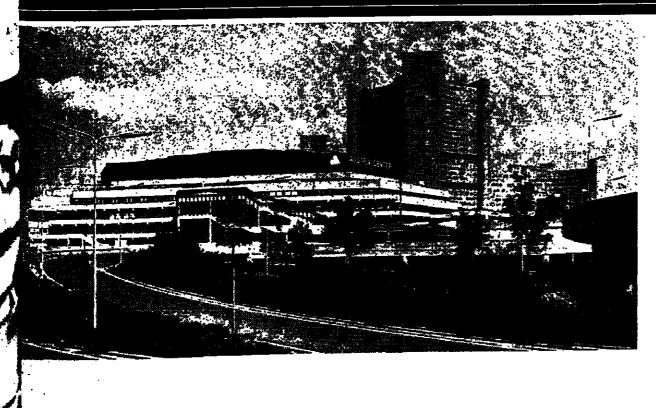
dation. "Because of its open structure," he said, "I think European manufacturers will find OSF much more attractive than trying to sign on with AT&T." Most of the user community, meanwhile, remains in a wait-and-see stance.

Everyone favors standardization, of course, as it would give them more flexibility in purchases and encourage new programs from software houses, because the market would suddenly be bigger. But it has been promised to them for so long that few are willing to believe it has come true until it is staring them in the face.

he new Shun Tak Centre and Macau Ferry Terminal complex, including the O-room Hotel Victoria, is a striking example of innovative building technology. Its two 41-storey towers are among the tallest high-rise steel structures in Hong Kong. And the Macau Ferry Terminal, designed to handle up to 15 million passengers year, is the world's busiest marine transport facility. ▶ The careful blending of iction and aesthetics by the architect Spence Robinson is complemented with high hnology lighting from Philips. > Cost-effective lighting that combines excellent our rendition with high light output, yet uses 30% less energy. ► And the integration general and accent lighting enhances the futuristic functional design of this superior



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landmark. ▶▶▶ In conference centres, too, you will find Philips technology helping to create the right environment. > The new Austria Centre in Vienna, with 14 conference halls and a total capacity of 9,000, is a fine example. ➤ Up to 4,000 delegates in the main hall can enjoy perfect conference conditions, thanks to a computerized directional sound system from Philips. > In two other halls our multichannel reverberation systems tailor the acoustics for music, opera, theatre or speech. ▶ And to ensure the best in sound and vision, we supplied the Centre's colour TV studio, master antenna TV distribution system and staff intercom. ▶ Lighting, sound and vision technologies – perfected by Philips and applied in projects the world over. ►

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SCIENCE

The Shuttle's Repairs: Will They All Work?

By William J. Broad New York Times Service

AFTER two years and more than \$2 billion, the space shuttle has been rebuilt in a process involving hundreds of changes to key systems and support gear. Experts say they believe the

winged spaceship is safer than ever and nearly ready to fly.

Now standing inside the 52-story vehicle assembly building at the Kennedy Space Center in Florida. the shuttle Discovery is to be moved this week to the launching pad, marking a critical milestone in the United States's recovery from the Challenger disaster in January 1986 that killed seven astronauts. In late August or early September, Discovery is scheduled to make the first shuttle flight in nearly three years. "The period of penance has been long enough," said George T. Sasseen, director of shuttle engineering at the Kennedy Space Center in Florida. "We're in this business to get into space, not to modify equipment."

The sweeping alterations to the shuttle system have been made to enhance reliability, improve performance and increase safety. But paradoxically, experts say the changes also can aggravate two of the space agency's worst problems: delays in the launching schedule and risk for the astronauts during the craft's first flight.

You introduce complexity when you try to fix things up," said Charles Perrow, a Yale sociologist and author of "Normal Accidents," a study of high-technology risk. For every positive improvement in safety you also add a negative factor because of the complexity. And sometimes that will catch up with you."

SPACE agency experts empha-size that improved hardware valve housings and main combusshould make Discovery's flight one tion chamber outlets. of the safest ever. The first post-Challenger mission is viewed as a fuel tank, which holds liquid oxytest flight, the five-man crew consisting entirely of space veterans ready to handle "surprises" during the four-day voyage.

"There's some risk on that score," said Richard A. Colonna, head of the orbiter projects office at the Johnson Space Center in Houston. "But I personally think

The space agency has struggled including rewiring, brake and steer-to minimize risk by extensively ing improvements, stiffening of the testing new hardware on the landing gear, strengthening of ground. Altered equipment has structures in wings and engine been shaken, vibrated, powered up, pods, and improvements in heatrun, taken apart, inspected and run absorbing tiles on the shuttle's suragain — everything short of the face. Additions include a new hatch

NYSE Most Actives

31/2 + 1/4

+1 -1 ----

planned or under consideration bepresidential commission that inves-tigated the Challenger disaster recuncovered new areas of concern. The changes were broken into three categories: urgent ones to be done before the next flight, prudent ones no later than 1989 or 1990, and optional ones by 1991 or 1992.

O far, the cost of overhauling the shuttle and its support systems has come to about \$2.4 billion, according to James H. Brier, a financial analyst at NASA headquarters in Washington. When the changes are finished, he said, the total bill should be about \$3.5 billion. The figures include modifications at the Kennedy and Johnson space centers as well as the following repairs to the shuttle and its rockets:

• The 149-foot-long, solid-fuel booster rockets have been redesigned top to bottom in a process involving 145 changes to components, including the joints and seals between booster segments that failed in the Challenger launching, the internal insulation, the fuel igniter, the nozzle, and the giant bracket holding the booster in place. Heaters have been added to keep seals from the kind of coldweather stiffening that helped

touch off the Challenger disaster. • The shuttle's three main liquid-fuel engines have undergone about 30 hardware changes, including the strengthening of turbopump blades to prevent cracking

gen and hydrogen for the main engines, has undergone eight changes. including the strengthening of a fuel line housing, the use of a more reliable battery and the redesign of an explosive bolt used to disconnect cables on the launching pad.

• The 122-foot-long spaceship has undergone about 220 changes,

ultimate test, flying it in space. The that can be blown off in an emerassembled spaceship will be put gency, an escape pole so the astrothrough a host of inspections and neutron and tests.

that can be blown off in an emerassembled spaceship will be put gency, an escape pole so the astrothrough a host of inspections and an escape slide to help them Some improvements were flee the craft while on the ground.

In addition to these changes, the fore Challenger's fiery demise. The shuttle's support equipment at the Johnson and Kennedy space cenommended a series of major alterations. And NASA proposed many other changes after its own review proposed many other changes after its own review gantry part and series of major alterations. gantry next to the launching pad has been outfitted with flame deflectors and water sprinklers to aid astronauts trying to escape a burning shuttle.

The computer programs that control the shuttle's launching have been altered, with about, 38,000 changes to 500,000 lines of computer code, according to Sasseen at the Kennedy Space Center. All told, he said, there have been some 160 major modifications to shuttle support zear at Kennedy.

is attitude. Today NASA officials constantly talk of safety, conservatism and prudence. Indeed, some experts say there may be too much caution over the hardware changes. "I personally feel some were un-

Perhaps the biggest change of all

ssary," said Mr. Colonna of the Johnson Space Center. "But there were arguments on both sides, and the total management team felt they were worth doing. In general, all the modifications were good things to have done."



Morocco's Olympian Said Aouita in a race last year in France. Is 20 miles into a marathon and then

A Young Doctor Hunts 1 For the Runner's Curve

By William Stockton New York Times Service

TEW YORK -At some point Nin their training, young doctors dream of the brilliant discovery that will secure a foothold in medicine: faculty appointments. a corner office and a reserved spot in the parking lot hang in the balance.

In 1982, when he was a 27-yearold medical student at Emory University in Atlanta, Lewis G. Maharam glimpsed his moment while serving as a medical volunteer in the Atlanta marathon, stationed at mile 20. As he watched the runners, exertion and pain exched on their faces, he thought of recent research linking exercise with a buildup in the blood of narcotic-like chemicals known as endorphins.

There was widespread speculation that endorphins were responsible for the feeling of well being and even euphoria that sometimes accompanies exercise. The supposition that runners become exercise junkies, addicted to their daily endorphin fix, was becoming a part of

"I'll bet if you gave those guys naloxone right now they'd all fall apart," the medical student said to his fellow volunteers.

Naloxone is a narcotic antagonist. It will block narcotic action. he feeling the pain or is he somewhere on the Maharam curve? Observe whether they suddenly run

out of gas might reveal whether endorphins were keeping mem go-ing by masking their pain and acting as a stimulant

project. Before long, he had a group of 10 competitive distance runners plodding along on a treadmall in a Georgia State University exercise exercise level laboratory, booked up to a battery of instruments. They also had a tube attached to a blood vessel in the arm so naloxone or a harmless salt solution could be injected

They were told to run until they were ready to drop. To make sure the runners, all male aged 19 to 41, went to the limit, nurses cheered them on, calling out such things as You can do it. Keep going.

While they ran and afterward, the runners repeatedly executed a psychological test in which they rated their mood of the moment. Endorphins in the blood were measured before and after each treadmill run. On one run, a volunteer received naloxone; on another harmless saline. No one knew which substance was being admin-istered, so as to eliminate bias.

As is often the case, the experiment failed. Naloxone had no effect on the numers' performance.

They just kept going. "The marathoners would not have dropped out at 20 miles," Dr. Maharam said. "Endorphins and runner's high apparently have some other, unknown, purpose in

the body. Because we live in the age of cheap computer time. Dr. Maharam began some serious number crunching using data about his 10 runners. Poring over the printouts. a hypothesis began to emerge, an idea powerful enough to conjure visions of future textbooks that would feature "Maharam's curve."

What emerged was a composite graph, or curve, plotting weekly miles run versus increasing endorphin levels and improving mood. It can College of Physicians nation suggested that for each person there is an optimum exercise level that produces a better mood. If someone does not train enough, he will not reach this optimum point and there will be no high. If he trains too much, he will go past the

optimum and miss the high. That each person has a Maharam curve and possesses an optimum level of weekly exercise that will produce runner's high is potentially powerful idea. It raises the possibility of exercise prescriptions. Imagine if a sports doctor could search is the key, but it also can learn up with your personal curve a fickle mistress. Maharam's curbased on age, sex, baseline endor- might easily not exist.

He began to conceet a research there appears to be an optimum that produces a better mood.

> ohin levels and other variables at then presente certain levels of escuse so you could frequently a perience runner's high

> But we are getting ahead of of selves. Maharam's curve is a sale tive idea, but more proof is peod

The next step is for Dr. iii haram to test his hypothesis. So is busy making plans for his is treadmill study. He will recruit if unteers and fil them into his co Then he will issue exercise pres-tions in search of runner's his

At this point, he becomes a tive about how he will conduct study. Medical research is not gentleman's sport; competitors not above stealing an idea of

I HE research is part of a grat plan. Dr. Maharam wants to be primary care sports medicine sp cialist. Since that is not a reco-nized specialty, with its own certi-cation process, he has been mahihis way through a complex por graduate training. He is now a re-dent at New York Infirmary-Best man Hospital studying town certification in internal medicin while carving out a practice amos a sports medicine clientele. B needs patients, and he needs repr tation and professional respect.

Last year be presented the rend of his naloxone study at the Amer convention. It won first place in competition. That thrust him to th fore as an expert on endorphic and runner's high.

The award also caught the eye New York Infirmary-Beekma Hospital's public relations people who issued a press release. And I has landed a spot on the medic team of the New York marathon

Such exposure will bring to tients. But the people who will textbooks and assign parkir spaces will want more. The r

2 TVs in 1: 'The End of Civilization' By Jeremy Gerard Picture-in-picture technology is now built New York Times Service into several of the most expensive digital televisions and VCRs. But Rabbit, which has

NEW YORK — The particle physicist, the cosmetic surgeon, and the consumer electronics entrepreneur each imagine something beyond the probable - the quark, the perfect nose, the power to watch two different broadcasts on the same television screen at the same time --- and then set out to prove its existence, if not its purpose.

For Rabbit Systems Inc., a young California electronics company, that meant creating a product called the Double Play. It allows anyone with a video cassette recorder to view a second channel on the television screen. The "picture-in-picture," one-eighth the screen's size, can be moved to any corner and toward the center, it can be frozen, and it can be exchanged — "swapped" — with the larg-

er picture. "The ability to watch two idiot boxes at the same time — it's the end of Western civilization as we know it," said Alan C. Neubauer, a consultant at Rabson's Stereo-Video Warehouse here.

been selling gadgets to add on to gadgets for three years, and its main competitor, Multivision Inc. of Scotts Valley, California, found that plenty of people with old television sets would pay \$200 to \$500 to be able to watch

two programs at once. George Hoefer, executive vice president of Rabbit, said the Santa Monica company had sold out its first run of Double Plays, 30,000 units. He expects to sell 200,000 more in the first year of nationwide distribution.

"The most passionate purchaser of the product is the sports fan," he said. "If you have ever spent an afternoon channel-hopping, you'll understand."
Mr. Hoefer would have been dismayed by

the reaction of one professional fan, Michael Francesa, an announcer on an all-sports radio station here who got a Double Play for Christmas. He told listeners the product was so terrible that he had returned it.

Viewers like Mr. Francesa are finding the

Wednesdays

Double Play's picture-in-picture too small and its quality too poor to tell whether anything worth swapping for is happening.

This proved to be the case recently, with the Double Play hooked up to a 17-inch TV and tuned to Wimbledon and the first-ever

solar-powered car race. On the picture-inpicture, the car race looked like a convention gnats, and the tennis ball was invisible. The next attempt was more disappointing. When a naked weatherwoman seemed to appear in the smaller picture, that image was quickly "swapped." It turned out to be a

weatherman in a tan suit. "This is a gimmick," said David Lachen-bruch, the editorial director of Television Digest, an industry newsletter. "It's a cute feature maybe a real sports nut would use. Frankly, I don't see any value in them at all." Mr. Lachenbruch is not averse to the idea

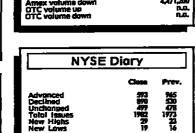
only exceedingly pragmatic. "For the price you pay for one of them, why not just buy another TV?" he said. "I have a 13-inch television sitting on top of my 26-inch televi-sion, and I get sound from both of them."

AMEX Diary

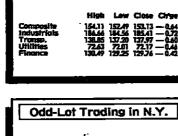
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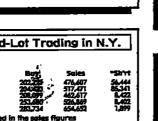
Dow Jones Bond Averages

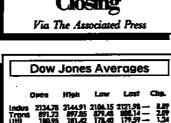


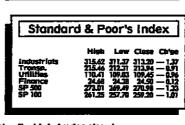
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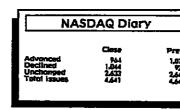


NYSE Index









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NYSE Falls After Rally Fades

The Dow Jones industrial average, which rose 22.41 points Tuesday, fell 8.89 points to close at 2,121.98. The index showed a deficit of more than 20 points in early afternoon trading before

than 20 points in early attention training before staging a partial recovery.

Declines led advances by about a 3-2 margin. Volume totaled 159.59 million shares, up from 152.37 million traded Tuesday. "I think all you have here is a market that is tired and just wants to consolidate," said Den-

tired and just wants to consolidate," said Dennis Jarrett, a technical analyst with Kidder, Peabody & Co.

He said the upcoming Independence Day weekend was partly to blame. "As we near the holiday weekend, I think you can expect more backing and filling. I doubt you will see anyone getting too bold with large positions."

Broad-market indexes also slipped. The New York Stock Exchange index fell 0.64 point to 153 13. Standard & Poor's 500-stock index fell

153.13. Standard & Poor's 500-stock index fell 1.33 to 270.98. The price of an average share lost

The decline in stocks came despite continued strength in the dollar, which analysts said was a major positive factor for the equity market.

The dollar is the big fundamental factor in the market right now," said Phil Erlanger, chief technical analyst at Advest Inc. in Hartford,

"If foreign investors perceive that the dollar

United Press International

NEW YORK — Prices on the New York
Stock Exchange fell Wednesday in moderate trading after a mid-afternoon recovery ran out of steam.

The Dow lones industrial average which rose

a lot of support."

Mr. Erlanger said the market has shown "surprising resilience" in recent weeks, and in his opinion "there was no real significant reason to

"There is a still a lot of negative sentiment as a result of the October collapse," Mr. Erlanger said. "But the market is now in a transition phase from the bearish to the bullish. Monday, when the Dow fell 34 points, was scary. But the whole point of a healthy correction

like that is to care excesses so the market can progress. What's positive is that there was no downside follow-through to Monday's decline. There was no need for a further correction." Varity was the most active issue, up ¼ to 3½. PSI Holding followed, off ¼ to 11¾.

Southern California Edison was third, down Pullman gained 1% to 7%. Pullman said a group of senior managers is considering making a proposal to acquire the company for \$7.50 a

AT&T was off 1/4 to 261/2. IBM was unchanged

Quaker State was down 2½ to 21%. A New York investment firm Wednesday dropped its \$26.50-a-share bid to acquire the petroleum

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aris Bourse Holds Firm ut Scandal Reverberates

By JACQUES NEHER

Special to the Herald Tribune

ARIS — Despite disruptive strikes and related bomb scares on the Paris Bourse last week and a scandal that scares on the Paris Bourse last week and a scandal that has drained more than a third of its brokers' guarantee fund, the market has held up throughout the storm ough the reverberations of the scandal are far from over, the z de Tendance, or trend index, calibrated at 100 at the start c.e year, has leveled off over the past two weeks, fluctuating een 127 and 133.

Wednesday, the index closed up 0.22 percent. The labor ne did not affect the trend index, which represents the rmance of almost 170 French stocks quoted continuously by onter. However, the strike prevented calculation of the

The 'affaire' could

bring lawsuits and

doom independent

index, which is based on ining prices at the open-

it trading session. is latest affaire, some cted, may lead to a govent decision to speed up akeover of independent rages by banks and forfirms. It also could start a

brokerages. of lawsuits from brokers ged that their joint guarantee fund — created to insure fors in the event any brokerage could not meet its commits — had been gambled away on the futures market. The

int now stands at 650 million francs (\$107 million) and could gher because of positions still outstanding.

at is clear at the moment is that confidence in the Paris tet, and in the authorities who are supposed to be supervising as been damaged by the scandal, which has grown in scope it was first revealed on June 10.

hief target of the anger is Xavier Dupont, who was forced to as president of the Bourse after announcing that the loss accumulated over a period of months beginning last fall. his makes a joke out of the whole place," said a Paris broker,

requested anonymity.

T. Dupont, credited with modernizing and reforming the se over the past two years, was replaced by Regis Rousselle sargest Paris brokerage, Meeschaert-Rousselle.

:.. Rousselle's first act was to put out a cash-call, requesting he 61 brokerages together raise 1 billion francs. Half of that ...d go to the guarantee fund while the other half would sent new capital for the Bourse.

HE DECISION, he said, would "show that we want to reestablish credibility." But brokers said the cash-call, averaging 16 million francs per brokerage, could drive the ining independent firms to the wall. One trader said, "This : coelerate the movement for them to be taken over by banks

irket professionals also predicted that the scandal will gena load of suits, particularly against Mr. Dupont and his arage, Dupont-Denant.

e French media have criticized the fact that the futures ; were hidden from public view for so long. An editorial in ... ws magazine Le Point declared "it is time that the bosses of aris markets, including the finance minister, understand that parency is the prerequisite for trust."

i Furnivall, analyst with Phillips & Drew in London, said

-s in Paris have held firm because of the dollar's recent and against the Deutsche mark, which, he said, could transinto a drop in French interest rates. A stronger dollar asses the franc's standing against the mark," he said, "and s France to arrange its interest rates without needing Gers cooperation."

Currency Rates

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Of Units 4,000 Workers Could Leave Firm

IBM Sets

Phase-Out

Compiled by Our Staff From Dispatches NEW YORK - International Business Machines Corp. said Wednesday that it would phase out some manufacturing operations in the United States and Canada and that it expects up to 4,000 employees to retire or leave the company,

although none will be laid off.

IBM said the steps were being taken to "further reduce costs, provide for future growth and speed

new products to customers."

The company said the cost of the moves would be about \$600 million and would be reflected in its second-quarter results. It said they would be largely offset in its first-half results by the benefits of an accounting change.

IBM's stock was unchanged at

\$127 a share on the New York Stock Exchange on Wednesday.

The company said it would offer new jobs to all employees affected by the changes but that it expected 3,000 to 4,000 employees to retire or leave as a result of the moves.

The consolidation moves are expected to be completed by the end of 1989, IBM said. They include: Personal System/2 personal computer manufacturing in Boca Raton, Florida, is to be moved to IBM's Research Triangle Park plant near Raleigh, North Carolina, where much Personal System/2

manufacturing already takes place. • Manufacturing operations at the Tucson, Arizona, storage prodacts plant is to be phased out and the work moved to IBM plants in San Jose, California; Charlotte, North Carolina; and Poughkeepsie, New York.

• Rolm Systems telecommunications manufacturing in Santa Clara. California, is to be moved to IBM's San Jose facility. Rolm manufacturing and development in Austin, Texas, is to be consolidated with IBM's main Austin site.

• The IBM plants in Charlotte and Austin are to take over some of the assembly work now done in Foronto. At the same time, an IBM laboratory in Toronto would get more programming development responsibility. Manufacturing of memory cards and power systems would continue in Toronto.

• A plant in Brooklyn, New

York, is to diagnose and process electronic components, work that used to be done in numerous loca-

Continuing a decentralization program it announced in January, IBM said it will further reduce the New York, and elsewhere.

financial assistance, IBM said.

Insider Inquiry Widens on Street

Lee's Accounts With 6 Firms Are Examined

By James Sterngold

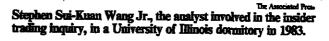
New York Times Service NEW YORK — The Securities and Exchange Commission is examining trading records at six brokerage firms in its insider trading investigation of a Tai-wanese investor and a young Wall Street analyst, according to people close to the inquiry.

These sources, who spoke Tuesday on condition that they not be identified, said the SEC was looking into trading done by accounts controlled by Fred C. Lee, a Taiwanese national, at Goldman, Sachs & Co., First Boston Corp., Merrill Lynch & Co., Shearson Lehman Hutton Inc. and Charles Schwab & Co.

ed in a civil complaint filed in federal court in Manhattan that it was looking into Mr. Lee's accounts at Morgan Stanley & Co.
The SEC said in its complaint

On Monday, the SEC indicat-

that Mr. Lee, 38, a businessman who lives in Hong Kong and Taiwan, had paid Stephen Sui-Kuan Wang Jr., 24, a junior financial analyst at Morgan Stan-ley, at least \$200,000 for inside See INSIDER, Page 15



Investor Is From Wealthy Taiwan Family

Compiled by Our Staff From Dispatches

HONG KONG - Fred C. Lee, the investor who is accused of making more than \$19 million by trading on inside information, has been described by business associates as an affable, exceedingly well-connected man who jetted between homes in Taiwan, Hong Kong and the United States.
Yet the details of his recent business activities

remain unclear. In Taiwan, associates said he came from a wealthy land-owning family and served as a director of several companies, including a major bank and a government utility.

In Hong Kong, where big investors are much discussed, Mr. Lee is a virtual unknown. "He isn't anyone anybody here has heard of,"

one knowledgeable broker in Hong Kong said. According to SEC officials, Mr. Lee, 38, described himself as an international business with interests in real estate, trading and public In Taiwan, Mr. Lee was on the boards of several

important companies by the time he was 30, according to several securities dealers. One associate said Mr. Lee served as a director

of City Bank of Taipei and Taiwan Power Co., a government utility.

Mr. Lee and his family were said to have good connections within the Kuominlang, Taiwan's rul-

"Mr. Lee was a very important man in Taiwan," said Andrew Cheng, assistant vice president of Kuang Hua Securities Investment & Trust Co., a mutual fund management company where Mr. Lee served on the board. Mr. Cheng said Mr. Lee was still on the Kuang Hua board but was not active.

Kwang Hua is 70 percent locally owned. The other 30 percent is held by Interallianz Bank Zurich, Hoare Govett Asia Ltd., and MIM (Asia Pacific) Holding Ltd., a subsidiary of the U.S.-based Aetna Life & Casualty Co. Mr. Lee has a bachelor of law degree from

National Chengchi University in Taipei, a master of business administration degree from the University of San Francisco and a doctorate in educational policy from the University of Oregon. Mr. Cheng said Mr. Lee was divorced and had children living in the United States.

"He has been selling his assets here," Mr. Cheng aid. "He has very little connection in Taiwan now." A Chinese acquaintance in Taiwan described Mr. Lee as "a roving investor, someone who likes to live the easy life."

A foreign analyst in Taipei, who said he knew Mr. Lee by reputation only, said the investor cultivated an interest in the Buddhist religion. "He would try to get his investment banker friends in New York to practice Buddhism," the analyst said.

Dollar Mixed After New York Profit-Taking

NEW YORK - The dollar close on Tuesday. closed mixed Wednesday after ing mostly on profit-taking rather than renewed but modest central bank intervention.

Traders said that market participants began to speculate that the dollar's two-week rally was ending and decided to pocket their profits. Rumors that the Federal Reserve System was selling dollars and buying yen were not corroborated by major New York dealers, but they helped to undercut enthusiasm for the currency.

The dollar gained 1.38 yen to 134.03 yen before the wave of sales left it unchanged on the Tuesday close of 132,65. The dollar had also risen to 1.8325 Deutsche marks, up 1.05 DM, before it slipped back to 1.8200, just below the 1.8220 DM finish on Tuesday.

The selling pushed the dollar be-

low the closing levels from London, where the currency had soared 2.25

The central bank dollar sales surging to new eight-month highs in New York and Europe, retreatalysts said. Over the whole day, they said, the Fed and the Bank of Japan were notably absent.

On Tuesday, seven European central banks intervened to slow the dollar's rise, fearing that a strong dollar would boost import prices and raise inflation in their countries. But the dollar rebounded in New York, and then remained steady despite reported intervention by the Fed.

"Bank intervention hasn't changed the direction of the market, but there was a note of caution after vesterday's volatility and evervone kept a wary eye on the central banks," a dealer for a U.S. bank said.

For much of the New York trading day, market participants were pushing the dollar against the 1.83 See DOLLAR, Page 17

U.S. Leading Indicators Post 0.1% Drop in May

WASHINGTON — The U.S. overnment said Wednesday that the index of leading economic indicators, its chief economic forecasting gauge, edged down 0.1 percent in May, the first setback since a 0.2 percent drop in January.

At the same time, however, the Commerce Department revised its estimate of April's leading index to show a gain of 0.5 percent, instead of the 0.2 percent reported earlier. Analysts said that even with the slight setback in May, which had been expected, the gauge is still signaling that the economy is on an

Last week, the Reagan administration boosted its growth rate forecast for 1988 gross national product to 3 percent, well above the

upward trend.

compilation, the leading index would have registered a 0.1 percent increase for the month.

After stocks, the biggest negative factors were a drop in plant and equipment orders, a rise in unem

ployment claims, a drop in the length of the average workweek and a fall in building permits.
Four of the available nine indicators made positive contributions to the index, the best being a slowdown in suppliers' deliveries. This

is seen as a sign of rising demand. Others were a rise in manufacturers' orders for consumer goods, a rise in raw-materials prices and

an increase in the money supply. Michael Evans, head of a Washington economic consulting firm,

said the economy is doing better than the index suggests because 2.4 percent it predicted in Febru- much of the growth has come from a surge in exports, which the index Falling stock prices were the big-gest brake on the May index. With-"will continue to move us along for out a 2.5 percent decline in Stan- the rest of the year," he said.

tions across the country. Assembly operations now in Brooklyn are to be consolidated in Poushkeepsie. EC Push for Monetary Union Seen Foundering on Differences

work force at its corporate head- ropean Community's proposed study on furquarters in Westchester County, ther monetary union is unlikely to yield radical reforms because of deep differences over Those who choose to retire or how far such integration should go, accord- far," Mr. Delors conceded at a news conferleave the company will be provided ing to many bankers and analysts.

The EC summit meeting that ended here certain is that all want progress." The company said the account- on Tuesday agreed to create a committee of ing rule that would mitigate most central bank chiefs and outside experts to of the charges associated with the study concrete steps towards "economic and consolidation relates to the treat-monetary union." The chairman is to be ment of deferred taxes under the Jacques Delors, president of the EC's Executive Market and Market of Selective Market and State of Market and State of Market and State of Market and Tax Reform Act. (AP, Reuters) tive Commission.

But the 12 leaders' discussions underlined ber states favored the eventual establishment HANNOVER, West Germany — The Endiverging views over the precise meaning of of a European Community central bank, ropean Community's proposed study on further phrase — a goal enshrined in a 1985 — President François Mitterrand of France update of the EC's founding treaty.

"Some wanted to go far and others less plied a strengthening and extension of the ence after the two-day summit. "What is

gium told journalists that a majority of mem- achieve union and you certainly don't need a

President François Mitterrand of France said an economic and monetary union im-

role of the European currency unit. "What does that mean if not that a central

organism is needed to manage it?" he asked.

central bank," Mrs. Thatcher said at a news

Mrs. Thatcher is already blamed by many of her partners for holding up further monetary integration through her refusal to make the pound a full member of the European Monetary System, a sliding grid of exchange rates, until she considers "the time is right."

Economists said fixed exchange rates would be an integral part of any full economic and monetary union. But Mrs. Thatcher, noting that EMS parities had been periodi-

See EC, Page 17

Fiat Plans Sale of Stake in Westland

By Warren Getler

LONDON — Fiat SpA is negoti- land, Reuters reported.

that the diversified group no longer considered its Westland shareholding as strategic, and that talks to licopters, combined with the imcopter. sell it should be completed by the end of the year, Renters reported.

part of a plan to rescue the company. The move pitted the companies against a rival, all-European investor group and generated a political struggle in Britain. United Technologies currently

owns 15 percent of Westland. The Fiat announcement came after reports that Britain's sole reing helicopter company faces an order-book crisis that could last at least until the early 1990s.

Mike Tampin, an aerospace analyst with the London brokerage, Hoare Govett Ltd., said: "Fiat quite worked out as expected." Helicopter sales have been flat,

he noted, though the company recently had an order from Britain for its Lynx helicopters. "But if Fiat does sell its stake to UTC, I don't see any major implica-tions for Westland. UTC is likely to

remain a supportive investor," Mr. Tampin added. He estimated that First could obtain, at most, £10 million (\$17.2 million) for its holding. A Fiat spokesman in Turin said, The original plans for industrial synergy were not realized," Renters

Spokesmen were asked to comment on the matter after Giovanni Agnelli, Fiat's chairman, said the group had no current plans for maor ventures in Britain, and added that a "disengagement from Westland seems more probable." One of the spokesmen said Unit-

reported.

In London, a Westland spokes-

ergy Fiat is talking about."
Slack demand for Westland's be-

month, it reported that profit before exceptional provisions fell to

Fiat and United Technologies bought into Westland in 1986 as McGraw-Hill to Split Into 3 Firms

The first of these is McGraw-Hill Publishing Co., which will include the education, international, con-

Hoare Govett Ltd., said: "Frat Co., which includes Standard & McGraw-Hill's stock fell 50 seems to be negotiating the sale of its stake because things haven't and commodity and international on the New York Stock Exchange.

trade and logistics manageme

Hill Information Services Co., includes the company's construction, computer and communications, legal, aerospace and defense, health care and other industry groups. A mouth ago, Macanillan Inc. A month ago, Macmillan Inc., another diversified U.S. publisher,

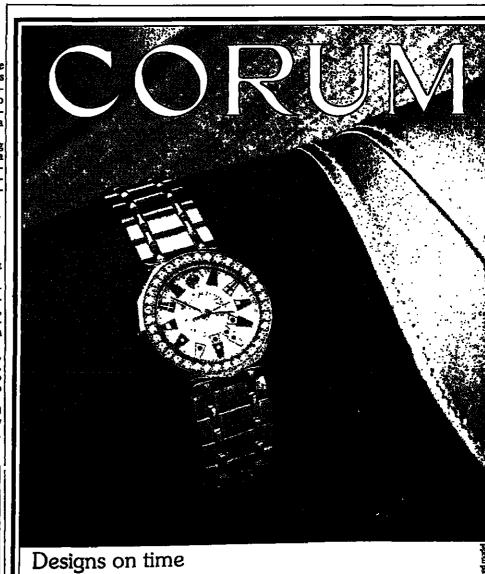
reorganized its operations into two

Société Anonyme 2. boulevard Royal L - 2953 Luxembourg

R.C. Laxembourg B - 20058 DIVIDEND ANNOUNCEMENT

SCI/TECH S.A. will pay a dividend of US\$ 0.05 per share on June 30, 1988 to shareholders registered at close of siness on June 24, 1988.

Shares will be traded ex-dividend after June 24, 1988.



Individually made with a degree of skill and care that belongs to a former time, Corum Watches carry design into the

The Admiral's Cup epitomises this with unusual twelvesided case and the original decoration of enamelled nautical pennants denoting the hours on the watch face.

For a brochure write to Corum, 2301 La Chaux-de-Fonds, Switzerland.

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II.S. Money Market Fu

Gold

47.70

ECU SDR 4%-6% 5% 6%-6% 6% 6%-6% 5%

ed Technologies already had an op-tion to buy Fiat's stake in West-company's income. Earlier this

ating the sale of its 21.78 percent In London, a Westland spokes fore exceptional provisions fell to stake in Westland Group PLC, the man said the talks between Fiat £13.1 million in the six months end-British helicopter manufacturer, to and United Technologies did not ed March 31, from £24.8 million a United Technologies Corp. of the directly concern Westland. "We've year earlier. United States, the companies said had very good relations with both Westland has also been suffering

rednesday. companies, "he added. "I don't from delays on delivery of its Sea In Turin, Fiat spokesmen said quite understand what lack of syn- King helicopters to the Indian government and from production de-lays of its new EH-101 naval heli-

> NEW YORK — McGraw-Hill services, the company said.
>
> The third company, McGraw-Inc. said Wednesday it will reorganize its operations into three new companies on Friday.

sumer and professional book oper-ations, Business Week magazine, and four television stations. The second company is companies as part of a move to McGraw-Hill Financial Services deter a takeover bid.

SCI / TECH S.A.

The Board of Directors



Wednesdays Tables include the nationwide prices up to the closing an Wall Street and do not reflect late trades elsewhere

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NYSE Highs-Lows

Drug Makers Seeking Hair-Growth Product

United Press International

PITTSBURGH — Proanagen Corp., a startup pharmaceuticals firm, said it has signed a joint product development agreement with Schering-Plough Corp. and Shiscido Co. of Japan to create a hair-growth product. Details of the accord were not disclosed.

Proanagen was launched in early 1987 to develop the hair product, Rick Lufkin, vice president of operations, said Tuesday. The investors have a promising but unproven sub-

president of operations, said Tuesday. The investors have a promising but unproven substance for application to bald heads, he said.

Dr. Ken Hashimoto, head of Wayne Siate University's dermatology department in Detroit, has developed a form of the drug diazoxide—a blood pressure drug with the side effect of increasing hair growth—to be applied to the skin, Mr. Lufkin said.

Schering-Plough markets diazoxide under the name Hyperstat as an emergency relief for high blood pressure, Mr. Lufkin said.

Shiseido, a Tokyo cosmetics manufacturer, has applied for international patents to cover the new product, Mr. Lufkin said. Schening-Plough has an option to license the product and sell it through its own sales force.

Upjohn Co., another U.S. pharmaceuticals maker, already has created an adaptation of a high-pressure drug to counteract baldness. Its product is called minoxidil and is marketed inder the trade name Rogaine.

Yugo Gives U.S Rebates

The Associated Press

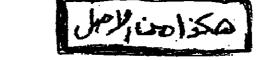
The Associated Press

DETROIT — Yugo American, a unit of the Yugoslavian car maker, said that starting Wednesday it is offering U.S. buyers rebates of up to 17 percent on its cars.

William E. Prior, president of Yugo American, said buyers will receive \$750, either in cash or toward downpayments on the vehicles. That is a 17 percent rebate on the basic \$4,349 Yugo GV and 16 percent on the \$4,599 GVL.

Sales of the Yugo, which climbed after introduction in the United States in August 1985 at a base price of \$3,990, have sagged this year.

Yugo reported selling 2.510 cars in May, a 39 percent drop from 4.111 a year ago. For the first five months of 1988, the company sold 14.531 cars, down 35 percent from 22.272 in the first five months of 1987.



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On 27-6-1988 U.S. \$221.73 Take the rine subjects by means of seminars on Saturdoys. Research methods and these by appared with with B.S.L. professors of B.S.L. or your own company. Business experience and high A.M. GMAT score required	Compan Next Bid Askd	11.00 2.65 Mor 10.00 10.70 10.00 10.70 -1.25 11.10 2.65 Mor 17.5 0.00 12.75 0.00 -1.25 11.10 2.45 July 2.59 2.59 2.50 -1.30 2.60 -1.30 2.60 11.10 2.60 11.	15,000 15,000 15,000 15,000 16,000 1	19845 19841 19841 19842 19844 19844 19845 1984
Information. Parson, Helding & Pierson N.V. Herengracht 214, 1016 BS Ansserdam. Tel. + 33 - 20 - 20188 Tel. + 33 - 20 - 20188	agram was defected to the control of	Est. Soles Prev. Soles 1922 pp 3.349 Prev. Day Open Int. 98.027 up 3.349 Livestock CATTLE (CME) 40.000 Rys centy per lb.	COPPER (COMEX) 25,000 102.90 104.50 +1.10 102.70 102.90 104.50 +1.10 102.70 102.90 102.	Industrials
INTERNATIONAL FUNDS (Quotations S) Net asset value quotations are supplied by the Fends listed. The marginal symbols indicate frequency of quotations supplied: (d) - dailty (w. AL-Mal Group DAN 1167.2 G. [d] CS Money Market Fund DAN 116	upplied by Funds Listed) 2711 Julie 1766 d with the exception of some quotes based on issue price.) - weekly; (b) - bi-manthly; (r) - regularity; (l) - twice weekly; (m) - manthly [Cours = any copp / issue paid (c)]	### Currency Options	89.90 72.15 May 81.90 82.90 82.00 82.75 —75 87.90 77.9	LIMB SER (CAME) 19 19 19 19 19 19 19 1
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(r) Mollicurrancy Yen	G.T. Investment Public Street Str	78.89 78 r r 2.00 r r 1.67 78.89 79 r r 2.00 r r 1.67 78.89 80 0.45 r r 0.90 r r 7 70.89 81 0.49 r r r r r r r r r r r r r r r r r r r	Est. Soles 47,000 Prev. Soles 37,112 Prev. Day Open Int. 89,796 off 215	1,000 bbl-dollars per bbl
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d Gold B Prec. Metron 1/Si FORBES PO BET GRAND CAYMAN d Sterling Man. Curr. 2 1/Si London Asent 01-89-8013 3 Japan Dollar Perf. Fd 2 250 4 W Forbes High Inc. Gift Fd 5 7,00 9 4 4 4 4 4 4 4 4 4	Note Convertibles Section Se		ndon Metals Dividen	June 29 April Pay Rec
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(d) Fructilus-Obl.Euro ECU 1901.24 (d) String Gill f 1.68 (r FF 694.51 (d) Sterling Gill f 1.68 (r	m) Growth Ltd. \$ 1,002.02 (w) thex Holdings Ltd. \$ 192.07 (w) FPDC Jopen Fund \$ 377.00 m) Select Enulties Ltd. \$ 1,002.07 (w) FPDC Jopen Fund \$ 7,54 m) Select Enulties Ltd. \$ 1,002.07 (r) ILA-IGB \$ 1,000.00	Volume: 5352 tots of 10 tons. Spot Spot Formand NICKEL Jul 938 927 942 929 N.A. N.A. Soot Soot	INTIAL I	Sheef (Scroe), for 119 275 275 275 275 275 275 275 275 275 275
CAPITAL INTERRAL 100AL (w) Capital int Fund \$ 73.5 (d) E.C.U. Find (w) Capital int Fund \$ 29.24 (d) Australesian fund (e) Capital interference (f) Capital interference (g) Capital States Port Folio LTD. (g) Chinness Local Income (g) Capital States Port Folio LTD. (g) Chinness Local Income (g) Capital States Port Folio LTD. (g) Chinness Local Income (g) Chinness Capital (g) Chinness Capital (g) Chinness Capital (g) Chinness Selector (g) Chinness Selector (g) Chinness Selector (g) Chinness Selector (g) Chinness Capital (g) Chinness Capital (g) Chinness Selector (g) Chinness Capital (g) Chinness Selector (g) Chinness Capital (g) Chinness Selector (g) Chinness Capital (g) Chinn	## BRAAL GROUP	May 1022 1,003 1,009 995 N.A. N.A. Sep 1,027 1,021 N.A. N.A. Sep 1,037 1,041 1,043 1,043 N.A. N.A. Volume: 5,000 lots of 5 tons. Sep 2,007 1,007 N.A. N.A. Volume: 5,000 lots of 5 tons. Sep 2,007 N.A. N.A. Sep 1,007 N.A. N.A. Volume: 5,000 lots of 5 tons. Sep 2,007 N.A. N.A. Sep 2,007 N	Content of Energy C	Paris Commodities 8 5 7 22 7 4 8 6 9 7 7 7 1 4 8 7 7 7 7 1 4 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
(w) US S Equities	UTHAM	New 1330 13325 134.00 132.00 134.00 134.25 Dec 13275 134.00 137.25 134.00 135.25 135.50 June 134.00 135.00 N.T. N.T. 135.00 135.50 Peter 134.00 135.30 N.T. N.T. 135.00 135.50 New 130.00 135.30 N.T. N.T. 130.00 135.75 Volume: 4.27 lots of 100 tons. Sources: Reuters and Landon Petroleum Ex-	S&P 100 Dex Options Circumstitute Find Consider Allier & Co Dean Wither Good Dean Wither G	197 8-15 7-15 High Low Sid Ask Chipe
(w) Elyspes Court Terms FF 54.187.81 (w) GAM GLOBAT FUND	(w) RBC North Amer. PG 3 111.56	Bearings Made in U.S. To Be Shipped to Japan	h % 1% - Hydroulle Co Q Hydroull	10 7-22 7-8 10 8-19 8-5 10 9-23 9-7 10 9-23 9-7 10 9-23 9-7 10 9-23 9-7 17 17 18 7-15 7-7 17 18 18 18 18 18 18 18 18 18 18 18 18 18
(w) C. Renderment Delice S. 13874.79 (w) GAM Money Michs, Find Y. 10,155 (v) (C. Crolssonice Delice S. 13874.79 (w) GAM NAM, Unit Trust Inc. 114,15 (v) GAM NAM, Unit Trust Inc. 114,15 (v) GAM NAM, Unit Trust Acc. 134,05 (v) GAM NAM, Unit Trust Acc. 1	w Bond Int. Inc. Bid _3 car Univer 1 1 2 Sauve Kid Spoil Fd 3 N/C W Far Fost Fd, Bid _5 LSQ Otter 5 14.59 (d 5 crustresk holding N/V++ 5 34.30 N/V++ 1.034 Otter Fd Servick holding N/V++ 5 14.50 (d 5 crustresk holding N/V++ 5 14.50 N/V++ 1.034 N/V	Reuters TOKYO — Minebea Co. plans to import to Japan medium-gauge hall bearings from its U.S. (actory hall bearings from its U.S. (actory hall bearings from its U.S.)	Ab 6 - 114 15 14 — Authitisente Friel Corp Q 48 - 29 — 9 — Old Stone Corp Colome: 54.00; lotel even let. 291.30 Pontes Corp Colome: 54.00; lotel even let. 291.30 Pontes Co Colome: 74.00; lotel even let. 291.30 Pontes Co Colome: 74.00; lotel even let. 291.30 Pontes Co Colome: 74.00; lotel even let. 291.30 Pontes Corp Colome: 74.00; lotel even let. 291.30 Pontes Colome: 74.00; lotel even let. 291.30	.07 7-27 7-48 .14 7-18 7-18 .15 9-18 7-18 .16 9-15 8-18 .17 9-18 7-11 .25 9-15 8-25 .20 8-1 7-18 .25 9-15 8-25 .20 8-1 7-8 .11 8-1 7-8 .12 8-1 7-8 .13 8-1 7-8 .14 8-1 7-8 .15 8-15 8-25 .16 8-16 8-16 .17 8-1 7-8 .18 8-1 7-8 .19 8-1 8-18 .19 8-18 8-28 .10 8-18 8-28 .10
(d) Sorie Valer Swi	w) Soselux Funds C	subsidiary to handle orders, a company spokesman said Wednesday. The rising yen led Minebea, a leading maker of miniature ball bearings, to buy a U.S. factory,	Options obtained obtained observed observe	Acceptable Acc
(d) Actions Suisses	Specific Funds Section	New Hampshire Ball Bearings Inc. of Peterborough, New Hampshire, three years ago for 25.5 billion yen (\$19.5 million at the current ex- change rate). Sales by the new sub- sidiary, N.M.B. Corp, of the 10 to 3.7	June 29 U.S. Treas	June 29 Prev. For Yield Yield Certain offerings of securities, financeal services or interests in real estate published in certain priselectors in which die laborate-
(d) CS Short-T, Bd SA Short-Short		65 millimeter diameter bearings. are expected to reach 400 million a month within two years, the spokesman said.	i: 11.22. viumo: 6.627; apen int, 74.22) viumo: 9.107; apen int, 62.391 38-yr. bond. 302.5/22 302.7	4.70 7.81 7.90 do not constante offennes of securities, services or minests in these immedications. The International Herald Tablance assumes.

Rembrandt Sets Europe Unit

Keeps Unsold Fiat Shares

the Bank successful mesday that p its unsold investment Giovanni Agas represented a : in the Italian e Deutsche Bank d \$500 million.

In late September 1986, Deutsche Bank was responsible for organizing an international placement of a 15 percent stake in Fiat sold by Libya. At the time, the stake was valued at \$2.1 billion and was the largest international share placement ever undertaken.

Largely because the Fiat share price declined sharply on the Milan Bourse after the sale was announced, and because of concern over the terms, the share offering

n-EMI Profit Up Sharply Slightly Lower Revenue

aajor British electronics and cording group, said Wednesday at its pretax profit for the year ided March 31 rose 41 percent om a year earlier, to £225.3 milon (about \$387.3 million).

But Thorn said revenue for the rear fell nearly 5 percent, to £3.05 sillion, mainly because of disconinued businesses. Last year, Thorn old its appliances business to AB Electrolux of Sweden for about £44

"These results show that we have fundamentally improved our posi-tion by every measure of financial performance," said Graham Wilkens, Thorn's chairman.

(Continued from first finance page)

information on the planning for 25

toposed takeovers in which Mor-

an Stanley was an adviser. Mr.

Lee earned at least \$19 million

rading on this information, be-

tween July 1987 and April 1988, the

A federal judge froze the assets

of Mr. Lee and Mr. Wang on Mon-

day after Mr. Lee was reported to

On Tuesday, Mr. Lee's lawyer,

Michael F. Perlis, denied his cli-

ent's trades had broken securities

laws. Mr. Perlis, in a telephone in-

terview from his Los Angeles of-

fice, said: "They want to make him

out to be another Ivan Boesky, but

Lee may himself have been a victim

Mr. Perlis also asserted, "Mr.

Meanwhile, there were other de-

were raised about whether Morgan Stanley failed to act properly when

it discovered some of Mr. Lee's rading in takeover stocks.

he's far from that.'

of a scam by Mr. Wang."

have tried to transfer about \$5 mil-

lion out of the United States.

pence, compared with 42.1 pence. Thorn said it would pay a final dividend of 16 pence a share, making a total for the year of 22 pence, against 18.5 pence the previous

Thorn said profits were up for the third year in a row at its EMI

business as well as its video and electrical-products operations, the

received a lukewarm response from international investors. After the first week, an estimated 25 percent of the common stock remained unsold, and about 70 percent of the preferred and savings shares,

Fiat's common shares have fall-en to 9,289 lire (about \$6.85) from 16,600 at the time of the offering. although some of that decrease reflects additions to its share capital.

When the offering began, Deutsche Bank took responsibility for elling a 4.2 percent stake, valued at \$600 million. Since then, however. the dollar has mostly declined against the lire, inflating the current value of the 2.5 percent stake given in the U.S. currency.

Deutsche Bank has decided to consider these shares as a longterm stake and to hold on to them a Deutsche Bank spokesman said in answer to a query. He declined to confirm the size of the stake.

Nissan Targets Europe

Agence France Presse LONDON - Nissan UK Ltd., a subsidiary of the Japanese car maker, said Wednesday it would export to the rest of Europe its Bluebird

models built in Sunderland, England, beginning October. The company said it will ship 10,000 Bluebirds to the continent before the end of the year, with exports rising progressively to 100,000 in 1992. Nissan expects to produce 50,000 Bluebirds at Sunderland this year,

Euroc to Sell **Building Unit**

STOCKHOLM - Euroc AB, the Swedish construction and cement company, said Wednesday it had agreed to sell its building equipment subsidiary, Dynapac, to Componenta Klista AB for 500 million kronor (\$80.4 million).

Euroc said it would realize a profit of 165 million kronor through the deal. It forecast buoyant results for 1988, after a 69 percent rise in 1987 profit to 467 million kronor but did not give a 1988 figure.

Dynapac accounted for 20 percent of Euroc's revenue last

JOHANNESBURG - Rem-

brandt Group, the South African-

based multinational, said Wednes-

day that it plans to group its foreign operations in a new holding

company to be listed on a Europe-

Rembrandt's foreign interests

include a 30 percent stake in Roth-

mans International, and major stakes in such brand names as Car-

tier-Monde, Piaget, Dunhill, Ca-valla and Carling O'Keefe.

an stock exchange.

Blue Arrow's Profit Rose 450 Percent in First Half

Agence France-Presse

LONDON — Blue Arrow PLC, the British employment agency and financial services group, said Wednesday its pretax profit rose 450 percent in the six months ended in April, largely because of its acquisition of Manpower Inc., the U.S. temporary-work company.

to £28 million (\$48.1 million) from £5.11 million in the first half of the previous year. It bought Manpower for £1.3 billion in September.

Half-year sales were seven times lion, the company said. That revenue was well above sales of £406 million for the whole 1986-87 fi-

The group, set up in 1946 as a manufacturer of tobacco and ciga-

rettes, has large interests in a wide

range of services and industries.

Rembrandt said its new Europe

an holding company would posi-

tion the group to take advantage of the unified European market

planned for 1992 and would give it

Johan Rupert, son of the Rem-

brandt founder, Anton Rupert, de-

nied that the reorganization was

aimed at disguising the group's

Invitation to

prequalification

In the scope of Project Energy 1 financed by the Araba Bank for

ca, the JIRO SY RANO MALA-GASY (JIRAMA) — Malagasy national society for electricity

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1) cables produced in Arab

2) electric distribution material

(transformers, electric net-

work and connection sup-plies) preferably from Arab, African or Arab-African ori-

can be collected from the JIRAMA - Direction de l'Équipe-ment Électricité, 13, Rue Rabe-

zavana, Anatananarivo (101),

Madagascar. Tel.: 268.68. Telex: 222.35.

access to European capital.

South African base.

Per-share income for the period rose to 2.4 pence from 1.7 pence in

the previous year. Blue Arrow said it has recommended an interim dividend of sixtenths of a penny per share, up from two-tenths of a penny the

Manpower posted encouragin Blue Arrow said its income rose results in the United States and Japan, while its British branches showed record profits. Manpower is the world's larges

temporary-services company. The Blue Arrow takeover, or higher than a year earlier, at sweetened terms, was approved af-£619.71 million against £90.78 mil- ter Adia SA of Switzerland, the world's second-biggest such company decided against an arrange ment with Manpower to thwart the British bid.

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MOËT HENNESSY . LOUIS VUI

At its Annual Meeting of Shareholders held on 23rd June 1988, the management of LVMH Moët Hennessy Louis Vuitton reported strong interim sales progress and forecast a solid performance for 1988.

Management reported that net sales through the first five months of 1988 were running 28% ahead of the prior year level, with the best gains coming in the Cognac and Luggage sectors. Joint distribution since July 1987 of LVMH and Guinness products, particularly by Jardine Wines and Spirits in Japan, also had a strong positive impact on re-

ported sales growth through the first five months of 1988: this impact will diminish over the balance of the year, as second-half-results for both years will reflect the benefits of this agreement. For the full year, sales are expected to show an increase of approximately 20% over the 1987 level of FF 13.2 billion and profits are expected to increase at a greater rate.

Shareholders approved all proposed resolutions, including a 1987 dividend of FF 32 per share, before "Avoir Fiscal" tax credit; the 1987 dividend represents a 28% increase over the prior year level.

LVMH FORECASTS STRONG GROWTH FOR 1988

Remers NDON — Thorn-EMI PLC. agior British electronics and it rose to £146.3 million from £102.5 million. Earnings per share, on a fully-diluted basis, were 50.1

The company said after-tax prof-

Recent acquisitions in the United States and in Europe added to Thorn's television sales and rental

company said.

Mr. Lee about nine trades and were

Those accounts were also frozen

In addition, there were indica-

the New York Stock Exchange,

which has regulatory authority, are

combing through documents and

Mr. Wang has not commented

on the charges.

The SEC said in its court docu-

cally last Friday in Hong Kong.

where its lawyers were questioning

Monday by the court.

account records.

Profit from Thorn's British operations, including exports, was

INSIDER: Inquiry Broadens to Taiwan Investor's Accounts at 6 Firms

told that he was following Wall Mr. Perlis, Mr. Lee's lawyer, said Street rumors or news reports, sources close to the firm said. Acthe Far East." The lawyer said Mr. cepting this answer, Morgan Stan-Lee would now mount a defense ley did not report the trades to the based on the notion that what Mr. Wang told Mr. Lee was already publicly known and referred to Many accounts for which Mr. takeover deals already disclosed.

Lee traded were those of friends. family and business associates. Mr. Perlis also said that Mr. Lee earned \$7 million from the trades being questioned, and that after losses, he netted just \$2 million. The lawyer said Mr. Lee would not tions that investigators are still dispute that he made the quesprobing for the involvement of othtioned trades. ers in the case. Both the SEC and

sought the repayment of the \$19 million it said was earned illegally and triple damages, or \$57 million, velopments in the case. Questions ments that the case broke dramati- permitted under the law.

Mr. Lee. During the questioning, outside Morgan Stanley may have said that, it is a lie," said William Mr. Lee conceded that he had spo- been more important to the SEC's Fierke, the registrar.

Morgan Stanley officials asked ken with Mr. Wang about the stock case. Officials with knowledge of the records said that Mr. Lee's Morgan Stanley accounts showed about \$2.8 million in profitable trades and \$600.000 in losses, a net \$2.2 million gain.

Those figures do not include his trading-at accounts at the other firms, however. For instance, Mr. Lee traded in the stocks of E-II Holdings Inc. and Staley Continental Inc., two of the 25 issues isted in the SEC's complaint, through an account at Merrill Lynch, sources close to the investigation said.

In another development, officials at the University of Illinois at From Mr. Perlis's comments it Urbana-Champaign indicated that appeared that his strategy may simply be to persuade the SEC to allow Wall Street last year provided inac-Mr. Lee to settle the charges for far-Mr. Lee to settle the charges for far curate details about his back-less than \$19 million. The SEC ground.

The resume said he graduated magna cum laude with a degree in finance from the university. School officials said Tuesday But there were indications that that their records showed Mr. the trading in the other accounts Wang had not graduated. "If he

The date of presen at last.

October 3, 1988



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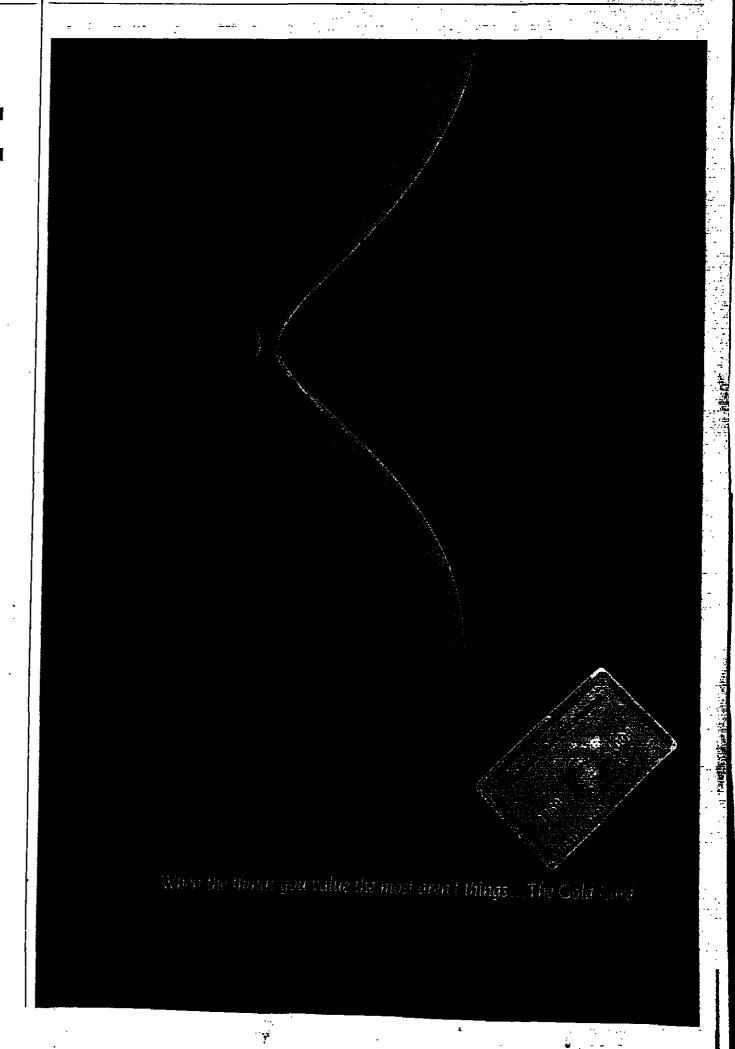
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Via The Associated Press

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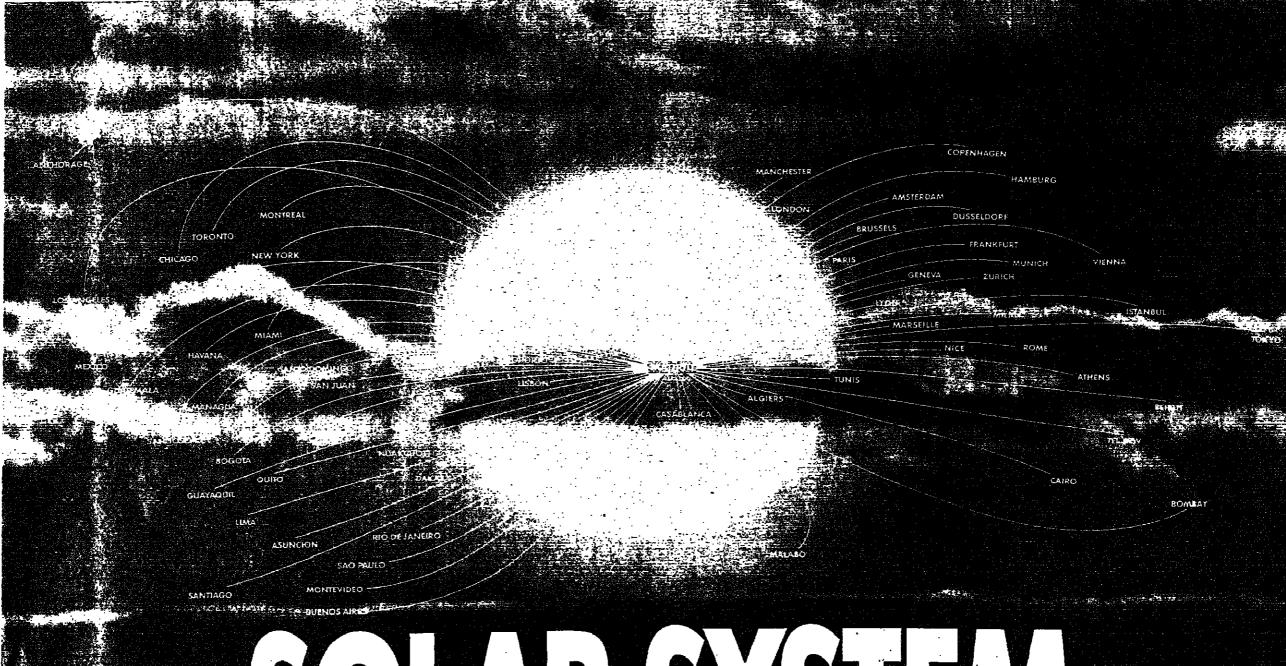
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WARM TO THE EXPERIENCE

LLAR: Currency Mixed After N.Y. Profit-Taking

ner, where selling resisd been emerging. Com-at midday, Radhika Goof Manufacturers Trust Co. said that the ,: "doesn't seem to be ex-

however, when the dollar DM, the selling acceler-

. ; had also expected, corat the dollar would enelling pressure at around

s currency, however, rose Swiss francs in New York 365 on Tuesday and to ench francs from 6.1390. British pound climbed to om \$1.7090.

pe, the Bundesbank sold around 1.8230 DM, West lealers said, and the Swiss rian central banks said sold the U.S. currency. of Italy was also reported

itervened. these moves, the dollar uply higher in London at W.; from 1.8070 on Tues-3.70 yen, from 130.75; at riss francs from 1.4965;

1595 French francs after itish pound also slipped

the U.S. currency, to om \$1.7190. s said the markets were in the Bank of Japan and esbank for dollar direc-

cet participants are trying the Japanese governtentions on dollar internd are waiting for an exst German discount rate 2.5 percent to bolster the and curb anticipated

London Dollar Rates Tue. Devische mark Pound sterling Japonese yen Swiss franc Franch franc 1,8295 7,7846 123,78 1,5150 6,1595 1.8970 7.7790 138.75 1.4965 6.0825

Source : Rapters

The markets are specifically waiting for clues from a Bundesbank meeting on Thursday, when its policy-making central bank council is to discuss monetary

The prospect of the Bundesbank lifting its discount rate, after hiking a key money market rate last week raises the question of whether the Fed will feel pressure to join other European countries and tighten its

rates, analysts said. which will prevent U.S. interest rates from rising," said a fund man-

ager at a major Japanese bank.
This may help curb the dollar from being pushed higher."

But others expect a buoyant but not inflationary U.S. economy to attract foreign funds into American stocks and bonds.

"The number of dollar buyers, in particular importers and institutional investors, is definitely larger than sellers for the moment," one

analyst said. Meanwhile, Japanese officials have given mixed signals about the dollar in public statements this

The finance minister, Kiichi Miyazawa, said he saw no immediate need to follow European central banks in the foreign exchange

But the Bank of Japan governor, Satoshi Sumita, said he did not "Inflationary fears in the U.S. expect the dollar to continue its seem to have subsided somewhat, uninterrupted rise and that Japan would consider currency stabilizing

BoJ Might Brake Yen Fall

Compiled by Our Staff From Dispatches

TOKYO - The Bank of Japan would take "strong measures" if the dollar's rise were to continue uninterrupted against the yea, the governor of the central bank said Wednesday, but he added that he did not expect this to happen.

The governor, Satoshi Somita, said the Japanese central bank would take appropriate measures to stabilize currencies if needed. He did not say at what level the bank would intervene in the market

by selling dollars. "The dollar will not surge straight up," Mr. Sumita said. "I don't think the market situation has basically changed."

The dollar's current strength is a short-term phenomenon and the yen would not fall sharply because Japanese economic fundamentals

have been strong, he added. Mr. Sumita stressed that the United States did not want a strong

dollar because that would undermine efforts to reduce the U.S. trade and budget deficits. Behind the recent rise of the dollar against the yen was market recognition of the improvement in the U.S. trade imbalance and other economic fundamentals there, Mr. Sumita said.

But he asserted that fears of an excessively strong dollar would check the currency's rise. The central bank head dismissed the latest surge to speculative buying without foundation, following the dollar's rise against the Deutsche mark.

Sales by Central Banks Appeared to Lack Coordination

By Jonathan Fuerbringer

New York Times Service
NEW YORK — The dollar's ability to tide out two days of intervention by eight European central banks has prompted suggestions in the market that the European banks are not coordinating policy with the United States and Japan.

This, in turn, has led to questions about a possible split over policy among the Group of Seven industrial nations. But on Tuesday and Wednesday, as the dollar hit a new high for the year against the yen and reclaimed lost ground against the Deutsche mark, there were no offi-

The dollar selling on Tuesday by the central banks, led by the Bundesbank of West Germany, represented their most concerted interven-

tion during the dollar's current rally. On Mon- encouraged it with some public comments, the sold modest amounts of dollars.

In addition to the Bundesbank, central banks in Switzerland, Italy, Belgium, Britain, Spain, Austria and France have intervened in the market by selling dollars. The Swiss, French, Austrian and Belgian central banks confirmed their intervention in an effort to increase the impact.

Traders were quick during the afternoon to point out what they interpreted as a possible split between the Europeans, especially West Germany, and the United States and Japan.

For the last week, the Japanese have appeared to be on a different course from the West Germans. While the Japanese have not

day, and again Tuesday, the Federal Reserve Bundesbank has been tilting against it with regular dollar sales.

According to economists, the Japanese are much better prepared to deal with a stronger dollar, while the West Germans are extremely worried about the increase in inflation that would be touched off by a decline in the mark's

Traders and economists have also suggested that the Reagan administration favors the dollar increase because it would help moderate inflation and relieve some pressure on rising interest rates in an election year.

Some currency traders said the dollar selling has been ill-timed, coming at a point when there stood in the way of the dollar rise, and even is still a strong appetite for the dollar.

Further Dollar Rise Seen Upsetting Japan

the dollar's rise above 130 year, but a further rapid appreciation could lead to serious problems for inflation and world trade, government

and central bank economists said. "If it rushed up to 135 yen and ary expectations might arise," a central bank economist said.

Japan would find it difficult to restrain inflation and ensure a con- current monetary stance presuptinued drop in its massive trade poses very stable prices, the Bank surplus if the dollar moved up to-

ward 140 yen, they said. The dollar closed in Tokyo on Wednesday at 132.40 yen. A further decline in the yen against the dollar would boost the prices of imports priced in the U.S. currency and could cause domestic Japanese companies to raise their orices in line. More expensive imports and cheaper Japanese exports

would tend to widen the trade gap. Economists in Japan have predicted that consumer prices will be rising by 1.5 percent to 2 percent in December from year-earlier levels. The Organization for Economic Cooperation and Development, meanwhile, is expecting Japan's trade surplus to decline modestly

this year, to \$94.75 billion from \$96.4 billion last year. "I feel the ceiling for the dollar will be 134/135 year," a senior gov-

ernment economist said. He said he expected the strength of the dollar to last only for two or three months before the currency starts heading down again. "Unless it lasts more than six months, it is

all right," he said. A senior Bank of Japan official said earlier this morning that he was concerned about the speed of

TOKYO — Japan can tolerate ters, it is the speed," the central "It is not only the level that mat-

accumulated assets and debts of bank economist said. big nations. A rapid rise in the dollar might at the agency made it clear that persuade manufacturers to boost they favored a dollar at the bottom prices, fanning inflation, he said. A

10 yearise in the dollar from 125 threatened to go further, inflation. Yen would raise wholesale prices by about 1 percent, he added. While that rise might not seem like a big change, the central bank's

> of Japan economist said. Economists from the govern-

process." Japanese exports have been boosted in recent months by ship-ments of capital goods to the Unitment Economic Planning Agency ed States, where American compa-estimated that a reasonable range nies are retooling and building for the dollar this year would be plants to meet increased demand 130 to 140 yea, using economic for U.S. exports. But one central models based on a range of factors, bank economist said this trend will including industrial commodity probably end during the summer.

Nevertheless, senior economists

"If the dollar is at 140 yen, Japa-

premment economist said. "Too

iigh a dollar or too low a yen can

hinder the structural adjustment

nese exports will increase," one

of that range, or even below it.

EC: Poor Outlook for Money Union

(Continued from first finance page) banking system, so they will have to look at that too," said one. The Delors-led group will precally realigned, said currency rates could not be fixed irrevocably. sent its proposals to EC finance

British officials said Mrs. Thatcher did not oppose considering limited measures to strengthen monetary cooperation. These might include increasing the role of the ECU and augmenting the amount of foreign EC currencies held by community central banks.

it was largely her opposition that ensured that no reference to a central bank appeared in the mandate given to the new committee.

But EC officials said the study would inevitably have to address the issue.

"You can't really have an ecosome sort of community central

12 Month High Low Slock

Analysts said the study was like ly to propose a range of options for further progress towards union, rather than deciding on one set of concrete steps.

Mr. Delors, a former French fi-

ministers for scrutiny before the

leaders discuss them at a summit

meeting in Madrid in next June.

nance minister, is himself is a staunch advocate of further economic and monetary integration.

But some analysts said that even central bankers from countries whose governments publicly favor some kind of central bank eventually were likely to be cautious, bethe dollar's rise but not yet dis- nomic and monetary union without cause of national sovereignty is-

Wednesdays

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LLAR: Currency Mixed After N.Y. Profit-Taking

ner, where selling resisd been emerging. Com-at midday, Radhika Goof Manufacturers Trust Co. said that the ,: "doesn't seem to be ex-

however, when the dollar DM, the selling acceler-

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s currency, however, rose Swiss francs in New York 365 on Tuesday and to ench francs from 6.1390. British pound climbed to om \$1.7090.

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Source : Rapters

The markets are specifically waiting for clues from a Bundesbank meeting on Thursday, when its policy-making central bank council is to discuss monetary

The prospect of the Bundesbank lifting its discount rate, after hiking a key money market rate last week raises the question of whether the Fed will feel pressure to join other European countries and tighten its

rates, analysts said. which will prevent U.S. interest rates from rising," said a fund man-

ager at a major Japanese bank.
This may help curb the dollar from being pushed higher."

But others expect a buoyant but not inflationary U.S. economy to attract foreign funds into American stocks and bonds.

"The number of dollar buyers, in particular importers and institutional investors, is definitely larger than sellers for the moment," one

analyst said. Meanwhile, Japanese officials have given mixed signals about the dollar in public statements this

The finance minister, Kiichi Miyazawa, said he saw no immediate need to follow European central banks in the foreign exchange

But the Bank of Japan governor, Satoshi Sumita, said he did not "Inflationary fears in the U.S. expect the dollar to continue its seem to have subsided somewhat, uninterrupted rise and that Japan would consider currency stabilizing

BoJ Might Brake Yen Fall

Compiled by Our Staff From Dispatches

TOKYO - The Bank of Japan would take "strong measures" if the dollar's rise were to continue uninterrupted against the yea, the governor of the central bank said Wednesday, but he added that he did not expect this to happen.

The governor, Satoshi Somita, said the Japanese central bank would take appropriate measures to stabilize currencies if needed. He did not say at what level the bank would intervene in the market

by selling dollars. "The dollar will not surge straight up," Mr. Sumita said. "I don't think the market situation has basically changed."

The dollar's current strength is a short-term phenomenon and the yen would not fall sharply because Japanese economic fundamentals

have been strong, he added. Mr. Sumita stressed that the United States did not want a strong

dollar because that would undermine efforts to reduce the U.S. trade and budget deficits. Behind the recent rise of the dollar against the yen was market recognition of the improvement in the U.S. trade imbalance and other economic fundamentals there, Mr. Sumita said.

But he asserted that fears of an excessively strong dollar would check the currency's rise. The central bank head dismissed the latest surge to speculative buying without foundation, following the dollar's rise against the Deutsche mark.

Sales by Central Banks Appeared to Lack Coordination

By Jonathan Fuerbringer

New York Times Service
NEW YORK — The dollar's ability to tide out two days of intervention by eight European central banks has prompted suggestions in the market that the European banks are not coordinating policy with the United States and Japan.

This, in turn, has led to questions about a possible split over policy among the Group of Seven industrial nations. But on Tuesday and Wednesday, as the dollar hit a new high for the year against the yen and reclaimed lost ground against the Deutsche mark, there were no offi-

The dollar selling on Tuesday by the central banks, led by the Bundesbank of West Germany, represented their most concerted interven-

tion during the dollar's current rally. On Mon- encouraged it with some public comments, the sold modest amounts of dollars.

In addition to the Bundesbank, central banks in Switzerland, Italy, Belgium, Britain, Spain, Austria and France have intervened in the market by selling dollars. The Swiss, French, Austrian and Belgian central banks confirmed their intervention in an effort to increase the impact.

Traders were quick during the afternoon to point out what they interpreted as a possible split between the Europeans, especially West Germany, and the United States and Japan.

For the last week, the Japanese have appeared to be on a different course from the West Germans. While the Japanese have not

day, and again Tuesday, the Federal Reserve Bundesbank has been tilting against it with regular dollar sales.

According to economists, the Japanese are much better prepared to deal with a stronger dollar, while the West Germans are extremely worried about the increase in inflation that would be touched off by a decline in the mark's

Traders and economists have also suggested that the Reagan administration favors the dollar increase because it would help moderate inflation and relieve some pressure on rising interest rates in an election year.

Some currency traders said the dollar selling has been ill-timed, coming at a point when there stood in the way of the dollar rise, and even is still a strong appetite for the dollar.

Further Dollar Rise Seen Upsetting Japan

the dollar's rise above 130 year, but a further rapid appreciation could lead to serious problems for inflation and world trade, government

and central bank economists said. "If it rushed up to 135 yen and ary expectations might arise," a central bank economist said.

Japan would find it difficult to restrain inflation and ensure a con- current monetary stance presuptinued drop in its massive trade poses very stable prices, the Bank surplus if the dollar moved up to-

ward 140 yen, they said. The dollar closed in Tokyo on Wednesday at 132.40 yen. A further decline in the yen against the dollar would boost the prices of imports priced in the U.S. currency and could cause domestic Japanese companies to raise their orices in line. More expensive imports and cheaper Japanese exports

would tend to widen the trade gap. Economists in Japan have predicted that consumer prices will be rising by 1.5 percent to 2 percent in December from year-earlier levels. The Organization for Economic Cooperation and Development, meanwhile, is expecting Japan's trade surplus to decline modestly

this year, to \$94.75 billion from \$96.4 billion last year. "I feel the ceiling for the dollar will be 134/135 year," a senior gov-

ernment economist said. He said he expected the strength of the dollar to last only for two or three months before the currency starts heading down again. "Unless it lasts more than six months, it is

all right," he said. A senior Bank of Japan official said earlier this morning that he was concerned about the speed of

TOKYO — Japan can tolerate ters, it is the speed," the central "It is not only the level that mat-

accumulated assets and debts of bank economist said. big nations. A rapid rise in the dollar might at the agency made it clear that persuade manufacturers to boost they favored a dollar at the bottom prices, fanning inflation, he said. A

10 yearise in the dollar from 125 threatened to go further, inflation. Yen would raise wholesale prices by about 1 percent, he added. While that rise might not seem like a big change, the central bank's

> of Japan economist said. Economists from the govern-

process." Japanese exports have been boosted in recent months by ship-ments of capital goods to the Unitment Economic Planning Agency ed States, where American compa-estimated that a reasonable range nies are retooling and building for the dollar this year would be plants to meet increased demand 130 to 140 yea, using economic for U.S. exports. But one central models based on a range of factors, bank economist said this trend will including industrial commodity probably end during the summer.

Nevertheless, senior economists

"If the dollar is at 140 yen, Japa-

premment economist said. "Too

iigh a dollar or too low a yen can

hinder the structural adjustment

nese exports will increase," one

of that range, or even below it.

EC: Poor Outlook for Money Union

(Continued from first finance page) banking system, so they will have to look at that too," said one. The Delors-led group will precally realigned, said currency rates could not be fixed irrevocably. sent its proposals to EC finance

British officials said Mrs. Thatcher did not oppose considering limited measures to strengthen monetary cooperation. These might include increasing the role of the ECU and augmenting the amount of foreign EC currencies held by community central banks.

it was largely her opposition that ensured that no reference to a central bank appeared in the mandate given to the new committee.

But EC officials said the study would inevitably have to address the issue.

"You can't really have an ecosome sort of community central

12 Month High Low Slock

Analysts said the study was like ly to propose a range of options for further progress towards union, rather than deciding on one set of concrete steps.

Mr. Delors, a former French fi-

ministers for scrutiny before the

leaders discuss them at a summit

meeting in Madrid in next June.

nance minister, is himself is a staunch advocate of further economic and monetary integration.

But some analysts said that even central bankers from countries whose governments publicly favor some kind of central bank eventually were likely to be cautious, bethe dollar's rise but not yet dis- nomic and monetary union without cause of national sovereignty is-

Wednesdays

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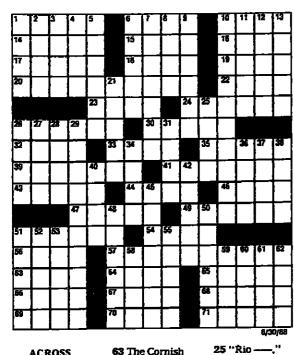


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15 Martyr of 1776 16 "Little Nell" cartoonist 17 Old World lizard

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bridge 30 "An-Day": Longfellow 32 Sight from Taormina 33 Kind of biscuit

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35 Tenth part 39 Fifth fingers 41 Kurdish or Pashto 43 Scoff 44 Gram header 46 City on the Humboldt

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63 The Cornish Wonder: 1761-1807 **64** Pointers 65 Scottish theologian: 1810-76

66 Ukrainian

70 Furbish anew 71 Out on a limb

<u>DOWN</u>

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4 Same, in

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10 Its cabins

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28 Mirthful Meara 29 Montreux locale
31 Bucket's kin capital 67 "—— Tu," 1932 34 Bone: Comb. song 68 A family-tree form 36 Cultivate apple 69 She, in Salerno 37 Codling

27 Take

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1942 film

40 Keogh relatives: Abbr. 42 Allude 45 Leaked out 48 Flatt of bluegrass **50** Acclivity

38 Slaughter of

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putt 52 Ariz tribe 53 Neighbors of the Hurons 55 --- Japanese War 58 Hibernia

51 Blow a short

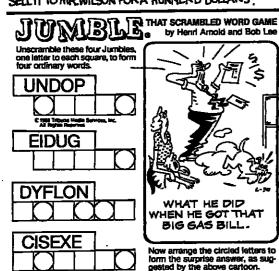
59 Crystal Gayle's trademark **60** —— fixe **61** Promenade des Anglais

62 Rate, in tennis © New York Times, edited by Eugene Maleska.

DENNIS THE MENACE



"Wow! If I had one of *those things.* I'llbet I could SELLIT TO MR. WILSON FOR A HUNNERD DOLLARS!



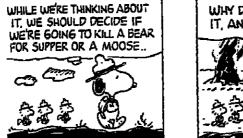
Jumbles: ENJOY MAXIM GRUBBY MOSQUE Answer: What they called that big silent elephant-A "MUM-BO JUMBO"

<u> A51A</u> EUROPE HIGH HIGH Bangkok Beijing Hang Kong Manila Ngw Deibi Saou! Shangha! Siagapore Taipo! Takyo **AFRIÇA LATIN AMERICA** Buenos Aires Corocas Lima Mexico City Rio de Jandiro - - 9 48 22 72 11 52 26 79 12 54 - - 19 66 NORTH AMERICA Anchorage
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index : 1754

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General Session Index : 297.51 Provious : 296.58

To Our Readers

Sao Paulo closing stock prices for Tues-day were not available

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BOOKS

WHAT AMERICANS REALLY THINK AND WHY OUR POLITI-CIANS PAY NO ATTENTION

By Barry Sussman, 241 pages, \$17.95. Pantheon Books Inc., 201 East 50th Street. New York, N. Y. 10022.

Reviewed by Detlef D. Matthies

HERE has been a series of books pub-I lished in recent months on major players in Washington politics, written by White House insiders. Now, there is a book about another major player in national politics - us. the ordinary citizens, about what we think and how we interact with our national leadership.

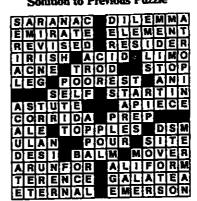
"What Americans Really Think" is a book about public opinion in this country and its effect on government policies; it was written by Barry Sussman, the founder of the Washington Post-ABC News Poll.

It is refreshing to be reminded that the public still has an effect on presidential poli-tics. The upheavals in the Reagan administration since the Iran-contra affair have many of us turning away from public affairs and have left us even more discrichanted and distrustful about our national leadership than before. Mutual mistrust along with mutual influen-

tial power is a major theme in Sussman's book. On the part of our leadership, there is a practice of talking down to the people and avoiding true debate, and in some instances, contemptuous disregard for the will of the people. On the part of the citizenry, Americans seem uninvolved, suspicious, ignorant when it comes to public affairs and "showing signs of life only when poked with a stick."

On a number of themes, however, Americans do have strong feelings and share agreement. Sussman compiles and documents a number of issues for which, he says, there is a consensus, a system of beliefs, goals and concerns particular to this country at this time, something that he calls the "public agenda."

Solution to Previous Puzzle



Sussman distills this agenda into a hig national commandments and goals, named (Give us a decent, stable economy. • There shall be no more Victnams.

This nation shall have a strong mile defense. • There shall be a reduction in me

weaponty. Don't trifle with the Social Security sys or Medicare.

· Give the poor a fair chance at joining mainstream of America. • Let government spend what it take reduce crime and illegal drug usage.

• Restore cleanliness to the nation's air

• Strive for fairness and equity in gov ment and taxation. · And above all, one main request: Give

decent, stable economy. If that list does not surprise you, do not reading, for the most fascinating chapter. Sussman's book outline the communica and interplay between that consensus of citizenry and the national leaders, the effer

public opinion on government policies, as turn, the changing views of the public. Sussman documents a number of exwhere the national leaders attempted to against the public and consequently pa high price. For example, political observer years considered Ronald Reagan's strem May 1981 to cut Social Security benefits worst blunder as president, it met with sharp opposition from all age groups as Capitol Hill that Reagan was forced to down, becoming more wary of public on from then on.

Also, it was public opinion that can change in Reagan's position toward to Philippine President Ferdinand E. Marto nally pushing Marcos out of the Philippur was public opinion that stopped Reagan sending American troops into Nicarague it was the fear of a public backlash that it him to resort to secrecy in his dealings wit regime of the Avatollah Khomemi, an a so repugnant to ordinary Americans the could not have done it openly.

Scientific public opinion poling, as crand developed by George Gallup and others just over 50 years ago, was intended means of improving the machinery of detracy. It was meant to be a denoter of tree portrayer of division (or unity) in the county, an early-warning system for decidency entires alike makers and ordinary citizens alike. "What Americans Really Think" lives

those high goals. It is a compendium of propinion polling at its best, an outline of themes and trends where statistics are takingly documented but never get in the

Detlef D. Matthies is a staff member Los Angeles Times Poll.

BRIDGE

By Alan Truscott

AT the national champi-conship level, the number of generous defenders a declarer can expect to meet in a day's play is quite small. It therefore pays to assume that the opponents are acting in their best interests, and not in yours, an obvious fact that sometimes overlooked. When in doubt, a look back to the course taken by the detense will sometimes pro-

duce a clue along these lines. An example is the dia-Open Pair Championship during the recent Spring Nationals in Buffalo. It was noted by Judy Wadas, who sat West, as partner of June Deutsch.

South's one no-trump response to the double suggested a hand in the 6-9 point range with a diamond stopper and no major-suit length. North raised aggressively to game and West led the dia-mond king. She had no way to know that a black-suit lead would have put the defenders in the driver's seat.

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Wadas shifted to her singleton club, and South played the jack from the dummy. East won with the queen and led her remaining diamond, on which South played the jack. West won with the ace, and defended well. Another diamond lead would have given South the opportunity to take two heart finesses. Instead West shifted to a spade, and South took the ace, queen and king. ending with the lead in his

hand in this position: VAQJ ₹¥3 WEST EAST CK965 **∇1042 ∔**K876 SOUTH ♥# ♥873 • Ø8 • 199

South assumed, fatally, that West held a club honor as part of her opening bid. When he led that suit, planning a finesse, he could not recover. If South had considered the earlier defea REBOARD would have done REBOARD West had studiously at a heart lead and inster

\$110.5

made risky leads in the suits. The only explained Scores was that she held the king and did not wish sent declarer with a fir So South should cashed his diamond ' ' in the diagramed p and finessed in hea make his contract. As

he was down one, whi however, not a bottom -North players who this four spades were door mond lead and club Sometimes they fail

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SPORTS

vson Faces Drawn-Out Bout

William Gildea nd Sally Jenkins Vashington Post Service ANTIC CITY, New Jer-Scanning the horizon

w for an opponent worthy & Tyson, one had the feelpoking into the wrong end oculars: No one's out ar they're so tiny as to be

ning larger for Tyson, 21, ring battle but a legal one. before Tyson destroyed 1 Spinks in 91 seconds y night, the unbeaten right champion had his r. Bill Cayton, served out papers that charged a ent inducement to sign

ing no doubt as to his

intentions, Tyson is attempting to sever relations with the 70year-old businessman who has mown him since he was 14 and just out of reform school.

"Mike Tyson might have been in top form in the ring," Cayton's attorney, Thomas Puccio, said Tuesday in New York. "But the allegations he made in the lawsnit are not worthy of a

The suit is built largely on the state of health of Tyson's late comanager, Jimmy Jacobs. The con-tracts were signed in February; Jacobs died of leukemia in March. Although Jacobs was Tyson's friend and confident, the fighter now implies that he ricked him. Tyson alleges that Jacobs and Cayton did not tell him that Jacobs was dying before Tyson extended their contracts four more years, until 1992.

Tyson claims that Cayton and Jacobs "fraudulently induced" him to sign the contracts, and that he would not have accepted Cayton as his sole manager had he known that Jacobs was dying. Puccio indicated Tuesday that

the suit might be Tyson's way of beginning talks to cut his ties to Cayton. "Often a lawsuit is a way to schedule a meeting to have negotiations," he said. "We're not prepared to negotiate a settlement from the Spinks fight is provided anyone until these charges at more than \$20 million.

are withdrawn and the allegations against Jimmy Jacobs are with-

drawn along with them."
Tyson's action states that Cayton "has not been, is not now and will not be" his manager, and therefore is not entitled to any part of Tyson's cut of proceeds from the Spinks fight - which Cayton negotiated

Tyson's move was aimed at a man who, along with Jacobs, nurtured him through turbulent youthful years at the request of the late trainer, Cus D'Amato. Before the fight, Tysou had appeared merely a troubled young man, surrounded by bickering parties. With the lawsuit, he seemed just as quarrelsome as

Many had felt that Tyson had been distracted by his recent marriage to actress Robin Givens, and that a big part of Cayton's problem are the women in Tyson's life. Givens and her mother, Ruth Roper, dislike Cayton. Practically inseparable during the past week from promoter Don King (a Cayton-detractor), the two wom-en apparently persuaded Tyson to dump the man who's done most of his dealing.

The legal dispute may deter-mine who will share in Tyson's ever-growing fortune - his gross

Champ Says He's Quitting

NEW YORK — Heavyweight champion Mike Tyson, unde-feated in 35 professional fights and coming off the biggest payday of his career, says he will not fight again. "You can't never say Tyson told The New

as of today, I am retired." "I had fun," Tyson said. "Boxing was good to me, but nothing lasts forever. It's time to call it a

York Post on Wednesday. "But

Tyson conceded that skeptics might not believe him, but he was insistent. "They don't have to buy it," he said. "They're not

setting in the ring and doing the ghting I am. I'm willing to sacrifice, to give up boxing to save my family.... I just feel it's the best thing to do."

Tyson said he "heard [promoter] Don King and his guys laughing" when he made a comment about retiring following the Spinks fight. "When he finds out I'm serious, he won't be laughing," Tyson said.

Tyson is tentatively set to fight Briton Frank Bruno on Sept. 3 in London. On Wednesday José Torres, a Tyson confidant, said he is confident the fight will be held. "He's going to fight Sept. 3," Tor-

Selection by Conferences



Martina Navratilova, who lost the first set and came from 2-4 down in the final two in defeating Roz Fairbank: "I just refused to lose." ended the match, he was quick to bledon as she has come in seven

BOSTON - In his first start of

the year and second of his major-

league career. Wes Gardner decid-

ed to think like a reliever. Gardner

pressed into the rotation when Jeff

Sellers suffered a broken hand, al-

lowed just three hits in seven in-

nings Tuesday night as the Red Sox

It was Boston's fourth straight

triumph and its eighth in its last 10

could for as long as I could," said Gardner (2-1). The Indians helped

him relax early, committing two errors in the second inning that led

It was the 99th appearance in the

majors for Gardner, acquired after

the 1985 season along with Calvin Schiraldi in the deal that sent Bob

Oieda to the New York Mets. In

lowering his earned-run average to

1.49, Gardner struck out four and

walked two. "It was almost like

having Roger [Clemens] out there,"

"I wanted to go as hard as I

defeated Cleveland, 6-1.

to five uncarned runs.

Becker and Lendl Advance In Straight Sets; Mecir Jolts Wilander; Navratilova in Semis

By John Feinstein

Washington Past Service
LONDON — Boris Becker wait-

هكذامن الإمل

Pat Cash hoist the trophy he had come to think of as his. It hurt. Nothing personal against Cash, but he had something that Becker

Playing almost perfect tennis, Becker eliminated the defending Wimbledon champion, 6-4, 6-3, 6-4 in a match that had the atmosphere of a final from start to finish. But it

run homer and a two-run triple by Robin Yount backed the four-hit

Twins 8, Angels 2: In Anaheim.

Reds 4, Padres 3: In the National

walk with one out in the ninth to

end the Reds' losing streak at six

Shawon Dunston's bases-loaded

single capped a four-run eighth

that rallied the Cubs to their fourth

Mets 5, Pirates 2: In Pittsburgh.

Darryl Strawberry and Kevin El-

ster hit two-rum homers and Sid

Fernandez combined with Roger

McDowell on a three-hitter for

Astros 4, Dodgers 3: In Houston,

Atlanta swapped the 18th selec-

tion and guard Randy Wittman to

Sacramento for veteran Reggie

to chose San Jose State's Ricky Ber-

Chicago got 7-foot Bill Cart-

Perdue of Vanderbilt, from New

York in return for rebounding whiz

Atlanta and Chicago (particular-

may have been necessary to chase

straight victory.

New York.

of the three first-round picks it has heavyweight Central Division.

In Manning, Smith and Grant, Theus, a creative scorer the Hawks

ongest such drought in NBA histo-ry, a player much like Thens but not

"This is sensational," Gene Shue, Charles Oakley and the 19th pick.

the Clipper coach, said Tuesday. Cartwright and Perdue bring "We are building our team around much-needed size to the Bulls.

different team because of its versaly the Bulls) took gambles, but they

Tuesday's short-run winners down Detroit and stay ahead of could be the four teams that engi- Cleveland and Indiana in the Cen-

ry, wound up with three of the first nearly as valuable to a contender.

the Clippers, who have missed the need. With the 18th pick, Sacramen-

California, Gene Larkin homered

Minnesota down California.

pitching of Don August.

Gardner Pitches Red Sox to 4th Straight

ple and Dwight Evans added a two- and drove in three runs to help

Tigers 6, Yankees 1: In New League, in Cincinnati, pinch-hitter York, Pat Sheridan drove in four Tracy Jones drew a bases-loaded

point out that he does not yet have years. She was down 6-4, 4-2, 40-30 his title back.

"To win Wimbledon you have to ed one year to play this tennis win seven matches," he said. "Last match. Last July, sitting at home in year I only won one. Now. I have year I only won one. Now, I have West Germany, Becker watched won five. I beat the defending

champion today and that is a very

WIMBLEDON TENNIS

wanted back. On Wednesday, he big thing, I had to play my very took a giant step towards doing best tennis. But I don't have the

Martina Navratilova, shooting for a record ninth Wimbledon singles title, showed Wednesday that two things can save the very best players on a bad day; luck and was only a quarterfinal and, alguts. Caught totally off guard by though Becker leaped joyfully into Rosalyn Fairbank, she was as close the air after one last huge serve had to losing a singles match at Wim-

three-hitter as Houston halted a

land, California, Rob Deer's two-combined with two relievers on a

before Fairbank missed an easy volley that would have made it 5-2. She came back and won the second set only to trail again by 4-2 in the third. This time, Fairbank had three chances to reach 5-2. Again

she failed. Navratilova breathed a deep sigh of relief, gathered herself for one last rush and escaped, 4-6, 6-4, 7-5.

"I saw a movie last night about a guy who learns how to dodge bul-lets," she said when the two-hour, 29 minute ordeal was over. "I think I dodged a few out there today myself. That was pretty heavy duty stuff. The only thing that saved me

To win the trophy he wants, Becker will next have to beat the one man who may want it even more desperately than he does, Ivan Lendi. The world's No. 1 player, after two five-set marathons, had what was for him, an easy

Los Angeles winning streak at four. lifetime against him. Cardinals 5, Expos 4: In St. Louis, Willie McGee scored on third baseman Tim Wallach's fielding error with one out in the ninth

Montreal's second error of the inning — rallying the Cardinals. Giants 13, Braves 7: In Atlanta. The surprise is Meeir, He has struggled all spring with back prob-

against Wilander.

putting balls at his feet with his offspeed stuff. Facing Mecir at his best is a little like facing Phil Niekro at his best. Everything

balance from the start, constantly

Or against Mecir. The bearded Czechoslovak can make almost anyone look foolish, even the redoubtable Wilander. He glides around the court, never seeming to put out any cifort, but a

that good on grass," said Mecir, who rarely has much to say. "Mats just isn't that dangerous on grass. He's much easier for me to pass.

Rose Pinched

day their manager got a parking ticket - on the downtown street that's named for him. Pete Rose, under fire for the club's poor play and a lineup card mistake that cost the Reds a first-inning rally Monday night, decided to get a bite

game against San Diego. bribe me? I said, 'Yep.'

"He said, 'It's not going to work.' I said, 'I'll give you four tickets for being a nice guy."
"He said, 'O.K., thanks here's the parking ticket.' But there was one consolation later on: With a run in the

Will Clark drove in three runs and San Francisco pounded out 19 hits for a second straight game against

At Home Base

CINCINNATI — Things have not been going well for the Cincinnati Reds. And on Tues-

to eat on his way to Riverfront Stadium Tuesday afternoon.

"I stopped to get a salad on Pete Rose Way, and I got a ticket," Rose said. "How bad can it get?" Rose said the traffic officer

recognized him, but didn't back off from writing a \$29 ticket. even when Rose offered him four tickets to Tuesday night's "He said, 'Are you trying to

ninth inning, the Reds ended a six-game losing streak.

was that I never stopped believing in myself."

evening, beating Tim Mayotte 7-6 (7-2) 7-6 (7-1) 6-3. As always happens when he plays Lendl, Mayotte

imply could not make the shots

that mattered most. He is now 0-12

The bottom half of the draw will match Stefan Edberg and Miloslav Mecir. Edberg was expected to reach the semifinals and he did so Wednesday by beating Patrick Kuhnen, Tuesday's conqueror of Jimmy Connors, 6-3, 4-6, 6-1, 7-6

lems and he is not that comfortable on grass. But he is comfortable playing Mats Wilander. On Wednesday, he manhandled Wilander, 6-4, 6-1, 6-3, ending Wilander's impossible dream of a Grand Slam, 10 matches - and two championships - from completion. Mecir is now 7-4 lifetime On Wednesday, he kept him off

comes up slow, but it is virtually unhittable. "After the first set I never really had any chances," Wilander said. "He can do that to me, he has in the past. I felt more comfortable play-

ing here this year than I ever have but it is always going to be hard for me. I'm just not all that comfortable on grass."

erything. Wilander was broken in the seventh game of the first set and went downhill quickly after that. "I'm surprised to be in the semifinals because I don't usually feel

When I beat him, I usually beat him easy.

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26 41 .637 1½
23 44 .637 11½
26 47 .356 ¼½

NBA College Draft

BASKETBALL

Oregon, 3 (54), Jorge Genzalez, 7-6, c, Argen-tine National Team: 3 (68), Durryl Middleton, .,400 000,000-0 7 1 6-9, t, Boylor. BOSTON: 1 (24), Brian Show, 6-4, g. Col-Santa Barbara, 3 (74), Gerald Poddio, 6-7, f-g. Southers

t.—Clancy, 4-18, Sv.—Thurmond CHARLOTTE: 1 (8), Rex Chopmon, 4-5, g. Smore, Lynn (13), Marray (11), Kentucky, 2 (34), Tom Tolbert, 4-7, £ Arizong, 3 919 906 900—1 5 2 uneman (9) and Nokes; Rhaden, Wen (9) and Slaught, W—Tano-CHICAGO: 1 (11), Will Perdue, 7-0, c, Vanderbill. 3 (62), Derrick Levis, 6-7, f, Moryland. CLEVELAND: 1 (22), Randolph Keys, 6-9, L hern Mississippi. 3 (64), Winston Bennett,

DALLAS: 2 (44), Marton Wiley, 4-4, g, Long Beach State. 2 (49), Jose Vargas, 4-10, c, Loui-sions State. 2 (79), Jerry Johnson, 5-11, g, Flor-DENVER: 7 (23), Jerome Lone, 6-6, f. Pitts-burgit. 2 (43), Todd Mitchell, 6-7, f. Purdue. 3 (46), Dwight Boyd, 6-4, g. Memphis State.

DETROIT: 2 (30), Fermis Dembo, 6-6.1, Wyoming. 2 (48), Michael Williams, 6-2, g. Baylor. 3 (72), Lee Johnson, 6-9, f. Norfolk State, **GOLDEN STATE:** 7 (5), Mitch Richme

6-5, g., Konses State. 2 (41). Keith Smart, 6-2, g. HOUSTON: 1 (16), Derrick Chievous, 6-7, f. INDIANA: 1 (2), Rik Smils, 7-4, c, Morisi,J

(61), Herbert Crook, 6-7, f. Louisville. 3 (73), Michael Anderson, 5-11, g. Drexel, Allchoel Anderson, 5-11, s. Dribrel.

LA. CLIPPERS: 1 (1). Danny Manning, 610, t. Kansos. 1 (3). x-Charles Smith, 6-10, f.
Plittsburgh, 2 (45), Tom Garrick, 6-2, g. Rhode Islend, 3 (51), Rob Lock, 6-9, 4-c, Kentucky, (xSmith was drofted by Philodelphia, which traded his rights to the LA. Clippers.)

LA. LAKERS: 1 (25), Dovid Rivers, 6-9, g.

101 689 585--6 12 3
Hin (77, Sedrosion (8) and Pornt, Coret (8), Loncoster (9) and Coret, 2-1, L.—Sedrosion, 1-3, 17 (3).

100 589 589--6 12 3
His 629 681--4 2 8 (25), Sylvester Gray, 5-6, 1, Eastern Michigan, 2 (25), Sylvester Gray, 5-6, 1, Mermphis State, 2 (40), Original Graham, 5-7, L. Auburn-Montomery, 3 (59), Nate Johnson, 6-8, f, Tampa, MILWAUKEE: 1 (13), Jeff Grayer, 5-5, 9 (ava State, 2, 29), Tith Horford, 7-1, c. Albami, 1-10, 3 (63), Alike Jones, 6-7, 1, Auburn, NEW JERSEY: 1 (4), Chris Morris, 6-8, f, New Jersey

set 98 918-2 3 8

was stote, 2 (39). Tito Horiord, 7-1, c. Miami.
Fig. 3 (33). Mike Jones. 4-7, i. Auburn.
Fig. 4-7, i. Aub

PHILADELPHIA: 1 (a), Primary row-kins. 6-3, g. Brodiev, 2 (31). Everatire Stephens. 6-3, p. Purdue. 3 (57). Hernon Montenepro. 6-10. fl. Louisiano Stata. (v-Howkins was drofted by the L.A. Clippers. who Iroded his rights to Philadelphia.) PHOENIX: 1 (7). Tim Perry, 6-9, 1, Temple 1 (14). Dan Maleria, 6-6, f. Central Michigan, 2 1 (14), Dan Malerie, 4-6. f. Central Michigan, 2 (28), Andrew Long, 6-11. c., Arkensos, 2 (28), Deon Gerrett, 6-16. f-c. Indiana, 2 (29), Steve Kerr, 6-3, g. Arizona, 3 (55), Rodney Johns, 6-2. g. Grand Conven, Ariz. PORTLAND: 1 (21), Mark Bryont, 6-4, f. Sens Hall, 2 (26), Rolando Ferreiro, 7-1, c. Hauston, 3 (53), Anthony Moson, 6-7, f., Tennes-see State, 3 (71), Crale Neol, 6-5, g. Georgia Tech.

SACRAMENTO: 1 (18), Ricky Berry, 6-8, s, Son Jose State, 2 (29), Vinny Dei Negro, 6-5, s, e Carolina State.

(75), Archie Marshell, 6-7, f, Konsas. (z-Max-well was drafted by Denver, which traded his SEATTLE: 1 (15), Gary Grant, 6-3, s. Michi-son. 3 (65), Corey Goines, 6-3, s. Levola Mary-

UTAH: 1 (17). Eric Leckner, 4-11, c. Wvo-ming, 2(42), Jeff Mos. 4-4, g. lowa. 3 (67). Ricky Groce, 6-1, g. Oklahoma. WASHINGTON: 1 (12), Horvey Grunt, 6-9, f, Okiohomo, 2 (38). Ledell Ecckles, 6-5, s, New Orleans. 3 (60), Ed Davender, 6-1, s, Kentucky. Selection by Position

Second Round Guards Centers Third Round

TOTALS

TENNIS Wimbledon

Quarterfinats
Alioslav Mecir (9), Czechoslovakia, def.
Aufs Wilander (2), Sweden, 6-3, 6-1, 6-3.
Stefan Edberry (3), Sweden, def. Potrick
Kuhnen, West Germany, 6-3, 4-6, 6-1, 7-6 (7-2). Costs (4), Australia, 6-4, 6-3, 6-4. Ivon Lendi (1), Czechoslovo (10), U.S., 7-6 (7-2), 7-6 (7-1), 6-3.

TRANSITION

BASEBALL SASEBALL

American Leopue
BALTIMORE—Optioned Mark Williamson,
pitcher, to Rockester of the internotional
Leopue Purchased the contract of Mark Thermond, pitcher, from Rochester. Ploced Doug
Slate, pitcher, on the 15-day disubled fist, Recolled John Hobyan, pitcher, from Rochester,
SEATTLE—Ploced Alvin Dovis, first boseman, on the 15-day disubled fist, Called up
Grap Briley, infielder-outfielder, from Calgory of the Pacific Coast Leopue.

Notineal Leopue

Notional League
MONTREAL—Placed Tim Raines, outleider, on the 15-day disobled list, retroactive to June 24, Recalled Herm Winningham, out-fielder, from Indianopolis of the American Association.

fielder, from Indianopolis of the American Association.
ST. LOUIS—Proced Scatt Terry, pitcher, on the 15-day disobled list. Activated Downs' Coxplicter, from the 21-day disobled list.

BASKETBALL
Noticeal Businerball Association
ATLANTA—Traded Rondy Wittmon.
sourd, and its 1988 first-round droft choice to Socramento for Rospie Theos. sourd.
DENVER—Traded the rights to Vennon Amouncell, outerly, to Son Antonio for a 1989 well, guard, to San Antonio for a 1985

FOOTBALL ed David Frame, defensive N.Y. JETS—Signed David Fraze, defensive end, to a series of one-year contracts, PHILADELPHIA—Signed Poul McFodden, placeticker, HOCKEY
National Hockey League
CALGARY—Signed Larmy McDonaid, content, to a one-year contract.
HARTFORD—Announced that the team has been ends continued that it is to com-

as been sold, pending approval of its 16 com-nunity partners, to Donald G. Conrad and tichard H. Gordon. tichard H. Gerdan. LOS ANGELES—Signed John Tonelli, lett existent coach. PITTTSBURGH—Nemed Gene Ubriaco legal coach and signed him to a two-year

HOFSTRA-Announced the resignation of Christopher Humm, sports information direc-tor, in order to become S.I.D. and golf coach of Brown. KANSAS STATE—Named Steve Miller oth-LONG BEACH STATE-Named Butch Carter casksont basketball cooch.
PENN STATE—Nomed Annie Troyon, as-sistont women's basketball cooch.
ST. FRANCIS (N.Y.)—Announced the res-

COLLEGE

ignation of Bob Valvane, basketball coach, so be can became coach for Alvik in Sweden's first division. TOLEDO-Named Bill Fennelly women's western Athletic Conference.

In NBA Draft, Triple-Team Intrigue Sonics sent Grant and the middle be rivals of Detroit in the league's

for next year to the Clippers. Los Angeles, in turn, sent Hawkins and

playoffs the last 12 seasons, the

15 players selected in the draft.

Wolf and 6-8 Ken Norman.

6-7 Reggie Williams, 6-10 Joe

speed and quickness. This will be a

tility. Christmas is definitely here."

neered major trades. Two happen to tral Division.

the pick to the 76ers for Smith.

"You just knew he was going to

Marty Barrett hit a two-run tri-

throw strikes and get people out."

BASEBALL ROUNDUP

run home run to highlight the sec-

runs to lift Detroit to its fifth

straight victory over the Yankees in

Orioles 7, Blue Jays 0: In Balti-

White Sox 4, Royals 3: In Kan-

sas City, Missouri, Dan Pasqua bit

two home runs and Greg Walker

added another to power Chicago.

tle, Jose Guzman recorded his first

career shutout as Texas ended a

Rangers 6, Mariners 0: In Seat-

more, Fred Lynn paced a rout by

driving in three runs with a homer

and a two-run double.

three-game losing streak.

two weeks.

Compiled by Our Staff From Dispatches NEW YORK — The smart guys will put Tuesday's National Basketball Association draft list in storage and wait four or five years before figuring out who did best with this year's pickings. By then it may be the Clippers instead of the Lakers who are the best show -

and not just in Los Angeles. The Clippers took further upward steps with three first-round They join last year's first-rounders choices for the second straight year. Those picks should hasten a facelifting intended to make the Clippers of the future resemble the Lakers of today: a versatile, athletic,

multi-dimensional group.

It took the Clippers 28 seconds to make 6-foot-11 (2.10-meter) Danny Manning of Kansas the first choice in the draft. Indiana then selected center Rik Smits of Marist. What took place next was the result of prolonged pre-draft intrigue, and it worked only because all the pieces of the plan - conceived by Bernie Bickerstaff and Bob Whitsitt, the coach and president, re-

spectively, of the Seattle SuperSonics — fell into place. Bickerstaff and Whitsitt wanted Michael Cage of the Clippers, the league's top rebounder, as protection against the possible loss of Tom Chambers, an unrestricted free agent, and Dale Ellis, another free agent. This was their plan, worked out Monday night with the Clippers and the Philadelphia 76ers:

• Philadelphia, which had the third pick, had to take Charles Smith, the 6-10 forward from the University of Pittsburgh. • Either Mitch Richmond of

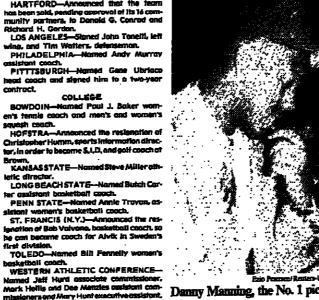
Kansas State or Hersey Hawkins of Bradley, the nation's leading scorer, had to be available for the Clippers when they picked again, No. 6.

New Jersey could have stymied the plan if it had taken either Richmond or Hawkins with the No. 4

selection (when the Nets chose Chris Morris of Auburn, there were sighs of relief everywhere). The Golden State Warriors took Richmond, as they had hoped to do, with the fifth pick.

The Chippers selected Haw

 After Seattle chose Gary Grant, the playmaker from Michigan, with the No. 15, pick, David Stern, the sioner, officially an-NBA commis nounced the trades. In order to get Cage, the Super-



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Danny Manning, the No. 1 pick.

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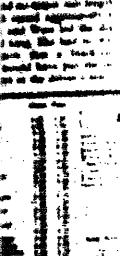
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ART BUCHWALD

Perestroika Soap Opera

ical magazine. The thinking behind the exchange was that if the leaders of the superpowers were willing to talk to each other, then Soviet and American humorists could also forget old wounds and the bitter dif-

ferences of the past. I accepted the invitation, but the readers must forgive my stream of

consciousness. because they are seeing the notes of a man who. having been warned about the water, has been brushing his teeth with warm Pepsi-Cola for a week.

There is a great deal going Buchwald on in Russia under perestroika trestructuring), which is being hotly debated at the moment during the Communist Party conference in Moscow. Like so many Americans who have spent seven days there. I am now an expert on Gorbachev's reforms and what they mean to the

While there is a tremendous effort to liberalize the entire infrastructure of the country, old habits die hard in the U.S.S.R.

Let me explain what perestroika plete change in the way the Soviet system works. The black hats are the conservatives who want to keep the same laid-back lifestyle that the Russian people enjoyed under Stalin and his successors. (By the way, their conservatives have no affiliation with the conservatives in this

Pegging the Taste of Lobster

New York Times Service ORONO, Maine - Lobster claws kept shut with wooden pegs don't taste as good as those closed with elastic bands. This is the finding of a study by the University of Maine at Orono in which 20 tastetesters ate claws from pegged and put it, "Perestroika is not well banded lobsters that had been boiled separately in salt water for

Leningrad — In the name of the Soviet people are supporting glasnost I was recently invited Gorbachev is they are sick and to the Soviet Union as part of a tired of dancing in Red Square ev 'humor' writers' exchange. My ery time a new cement plant is built host was Krokodil, the Soviet satir- in Minsk. They have declared that from now on, they will only cele-brate when a new shipment of Recboks arrives at the GUM department store in Moscow.

Here is another reason why people want change. For years Nata-sha has tried to buy a box of soap powder. Every day she faces Anna behind the counter. Anna takes great joy in torturing her by telling Natasha that there is no soap powder. Natasha wants to know why there isn't any, and Anna, an oldline Communist, says it is because America has imperialist designs on Nicaragua.

That response would have been enough for Natasha before perestroika, but now she is not buying it. She tells Anna that she doesn't care what the United States is doing in Nicaragua. She is going to support Gorbachev because he wants the people to have soap powder, and he will ensure that those who don't deliver will be sweeping the streets in Chernobyl.

So that is what perestroika is all about -- a battle over whether Natasha will get soap powder, or Anna will be able to send her kicking and screaming out the door.

I met with writers and humorists in Moscow and Leningrad. They were very happy with perestroika and were anxious to get on with is all about: The white hats are the writing books, plays and movies liberals who are demanding comthem kept notes.) We had frank and open discussions about the current literary scene in both coun-tries. I explained to them that the main advantage American writers had over their Soviet counterparts is that we could have a Domino's Pizza delivered to us in less than 30 ninutes, or Domino's would take The reason that the majority of \$3 off the price.

The Soviet writers were not impressed by this information, and one turned to me and said, "We had a similar delivery system to the

The subject that everyone agreed upon was that Gorbachev went much too far in abolishing vodka as the national drink. They felt that he had acted in haste. As one writer enough established to enable the people to face life in this country completely sober."

Is That Roger Rabbit, Or Charles Fleischer?

By Hal Hinson

Washington Past Service
WASHINGTON — Roger
Rabbit, megastar of the new Hollywood film meshing cartoons and humans, has reached the covers of major magazines and is married to one of the world's most fabulous women. But to Charles Fleischer, he is just

Fleischer and Rog have been "like this" since day one. Like they were, well, one and the same. Because Fleischer is Roger Rabbit, as in "Who Framed Roger Rabbit." Or perhaps more precisely, his voice. The only problem is, who's going to do the talking?

"CLOSE?! Sure we're close! Sometimes we even TALK!!" says Roger, crowding in. "Not now, Roger. I'm trying to do an interview," Fleischer

"Whaddaya mean interview? He's here 'cause-a ME, not cause-a YOU!!"

takes the upper hand. It all began at the Comedy Store in Los Ange- Toons have speech impediments" les, where Robert Zemeckis, the director of "Who Framed Roger Rabbit," saw Fleischer perform his act. The act consisted of a lot of voices and sound effects, but what most impressed the filmmaker was what he called "his vocal presence." And so when auditions began for the human star of the film — the part eventually played by Bob Hoskins — they called Fleischer. Not to read for that part, but to read with the actors auditioning for that part. As Roger.

"The first time I read, they I just used my own voice," says the 37-year-old Washingtonian, perched on the sofa in his parents' home in Chevy Chase, Maryland. The second time, though, I began to fool around with it, but as I recall his voice was a lot lower than it ended up. He sounded more like John Huston."

After a third audition, he says, the producers were still looking work together, so he's on the set

EMPLOYMENT

FERGANT PARISIAN LADY (47) box



for their flesh-and-blood actor, but they had found the voice for their cartoon star. And having got the job, Fleischer began to ex-As you might imagine, this sort plore "just who this Roger Rabbit of thing can get confusing. For is." The key came from the anithe moment, though, the human mation director Dick Williams. who told him that "all great - that is, a characteristic vocal

> To solve the problem, he did what almost all actors do. "I searched my creative soul and out popped 'PUH-PUH-PUH-PUH-LEEEZE!!"

Roger's signature, is a little like an underwater stutter. Fleischer calls it "a constant consonant cheek

"Dick Williams actually filmed me doing this thing with my check so he could study the frames to didn't know what they wanted so see how to articulate the neuromuscular activity in the animations for Rog."

Fleischer, who studied acting at the Goodman Theater in Chicago, says he approached Roger as he would have any other character. But there were a few special He stands to demonstrate.

playing to the invisible space where Roger would be I was off camera, wearing the Roger Rab-bit costume I had made for me and physicalizing everything that was happening, watching every-thing that he did so that if he pulled my ears I could go 'Aligh-iiaighi!!' I mean, we were forced to develop a technique of acting that I don't think has ever been done before." A rabbit suit?

Yeah, the first day I walked on set with my suit on and Hoskins saw me, he said, 'Eez out of 'is moind. Eez tot'lly out of 'is moind." Fleischer says, doing his Hoskins impression. "Later, of course, he said, 'Smartest thing you ever did.'

The suit was authentically Roger - bow tie, red overalls with big yellow buttons, and a pair of rab-bit ears. Didn't he feel kinda silly standing around in this getup?

What? Are you crazy? Okay, maybe a little, but I feel kinda silly dressed normally. I did it cause I thought it would help the spirit of the film. Plus I knew it would be great press.
"Of all the characters I've

played, he's the closest to the real me. There's a line in the movie saying, 'I'm a Toon. Toons are s'posed to make people laugh.' And working as a stand-up comic during the last 15 or so years. that's the job I've had."

So what kind of guy plays a cartoon bunny anyway? Fleischer, whose father worked in sales and whose mother was personal secretary to Perle Mesta — the celebrated "Hostess with the Mostest" — describes himself as a musician, a comedian, an inven-tor and a "closet mathematician."

He has curly dark reddish hair and thick eyebrows a shade redder. Like Roger, he's married to a beautiful woman who loves him because he makes her laugh. And he has two equally beautiful daughters who know by heart all the numbers to "Les Misérables" and "The Phantom of the Opera." He talks fast. And when he speaks in his Roger voice, it's a bit

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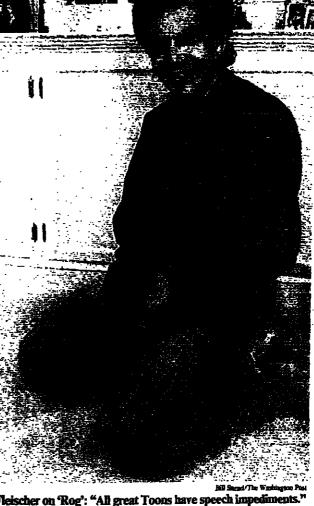
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He stands to demonstrate.
"Bob Hoskins and I had to ork together, so he's on the set notches, his body contorts in



Fleischer on 'Rog': "All great Toons have speech impediments."

make Roger gestures.

He says his life as a comedian began at camp around the age of 9. Or perhaps before that, when he took showers and thought about alien life forms looking down on earth and searching for

In addition to playing Roger, Fleischer provided the voices for three of the movie's other characters: Bennie the Cab, and two weasels, Psycho and Greasy. He describes Greasy as a combina-tion of Al Pacino in "Scarface" and Peter Lorre. Psycho, he says. is a cross between Mickey Mouse and Jack Nicholson.

Ask him where these ideas come from, and he's off. "It's like what Arthur Koestler describes in

Roger postures and his hands "The Act of Creation," where he talks about the comedian and the scientist being essentially the

As for the future life of Roger Rabbit, there is talk of Fleischer doing the voice for the Germanlanguage version.

Naturally there are contractual matters to hash out and these are not topics for discussion. But he is obligated to do Roger a couple a

"I don't know whether there will be a Saturday morning car-toon show, or another feature, or a television Christmas special. It's not my decision. But I certainly think Roger will be around for a long time. I just think he's a great character. And I would be happy doing Roger for the rest of my life. I love him. We're pals."

PEOPLE

Caroline Kennedy Gives Birth to a Daughter

Caroline Kennedy Schlossberg has given birth in New York to a daughter. Rose, the first child for Kennedy and her husband Edwin Schlossberg, Earlier this year, the daughter of the late President John F. Kennedy, graduated from the Columbia University School of Columbia University School of Law. It is the first grandchild for her mother. Jacqueline Kennedy

There is only one Rudolf Nure-yer, and true to form the New York gala in his honor, "Nureyev: A Celebration," was unlike any other. The program at the Metropolitan Opera House ended in a shower of balloons and confetti amid a stage assembly that read visually like the Who's Who of international dance The entire audience sprang to its feet when Danse Mangot Fonte; wearing her hair gray for the first time in New York and in a smalling multistriped dress, closed the coda to the Paris Opera Ballet's grand défilé. Jessye Norman, a close friend, sang during Nureyer's performance in "Songs of a Way-farer" as James Levine conducted. To see Nureyev lined up with Mik-hail Baryshuikov. Peter Martins. Peter Schaufuss and Helgi Tomasson was to see the some of the greatest male dancers of recent-times at a flash. The ballerinas with whom Nureyey has danced were well represented. Miss Piggy, who sent a postcard to her "favorite nonamphibian partner," flounced out as scheduled in a yellow boa and gold gown and clapped her little hands encased in lavender eloves.

The South Pacific kingdom of Tonga will begin a five-day party Thursday to celebrate King Tara la ahau Tupou IV's 70th birthday. The highlights of the celebrations in the capital Nuku'alofa will be two sit-down leasts for 1,200 people, including dignitaries from other Pacific nations, a prayer break-fast, a ball, longboat racing, rugby matches and dancing.

Piacido Domingo has launched a campaign to seek out young opera talent in the European Community. Domingo will be president of the European Community Opera, which will make its debut in Venice next May with a cast of EC nationals under 30 years old.

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